UTILITY BUILDING

- Owner's Manual
- Assembly Instructions
- Care and Maintenance Suggestions

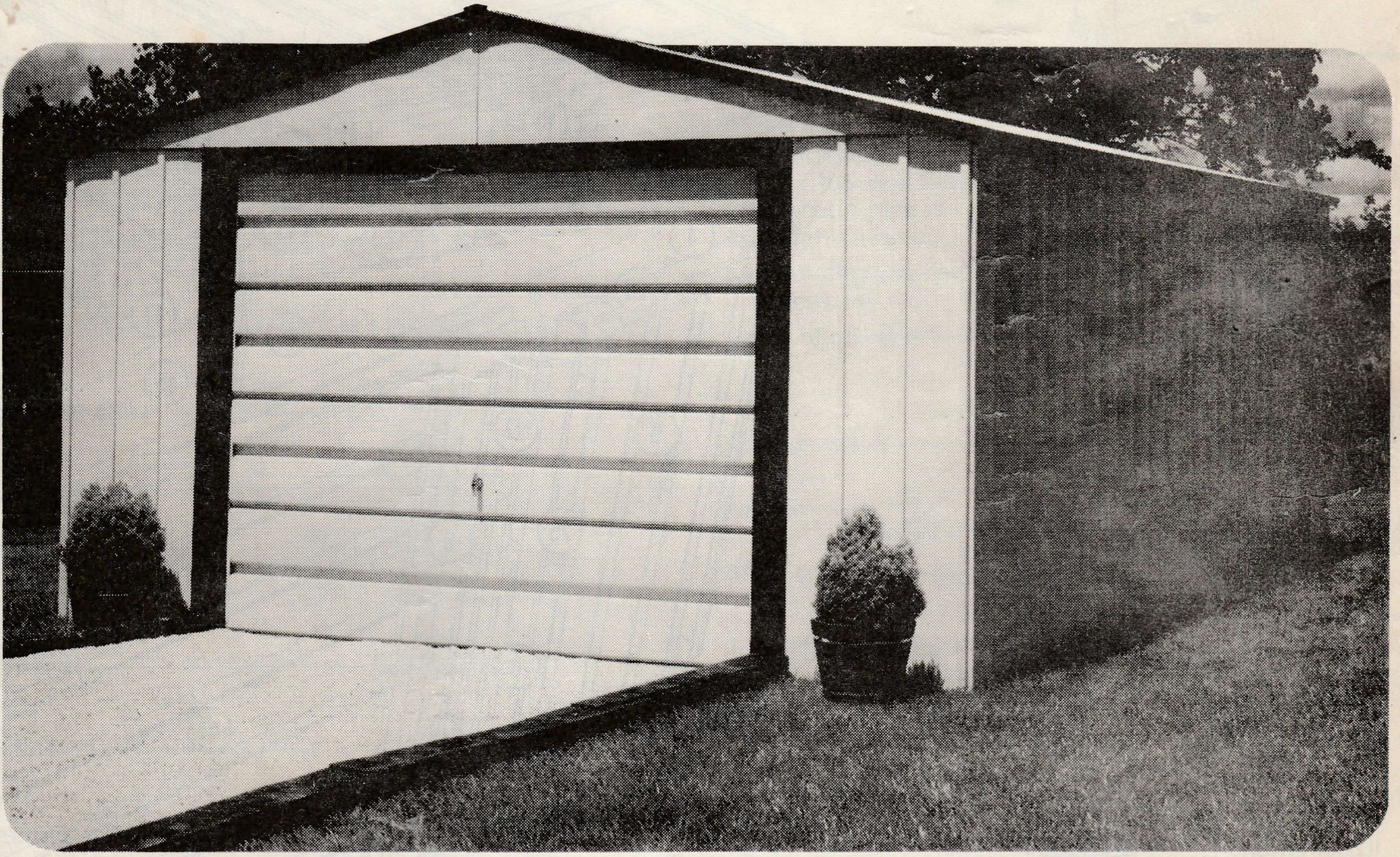
MODEL NO. TR1420-0B

NOMINAL SIZE: 14' x 20'

CLASS 18 BUILDING

the Murryhill

with a Stanley Steel sectional overhead door



STORAGE AREA		EXTERIOR DIMENSIONS (Includes Roof Overhang)			INTERIOR DIMENSIONS			DOOR OPENING	
SQ. FT.	CU. FT.	WIDTH	DEPTH	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	HEIGHT
264	2014	165¾''	237¼''	102¾''	164''	232''	102''	95''	78''

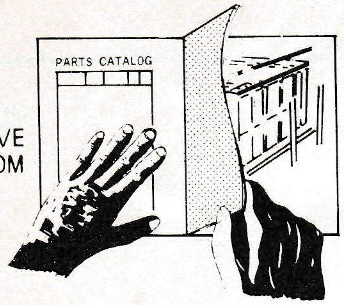
ARROW

70081

HOW TO USE MANUAL

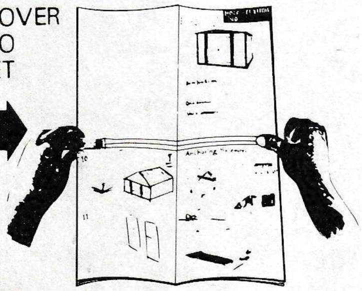
①

CAREFULLY REMOVE INSIDE PAGES FROM COVER PAGE


PARTS CATALOG

TAPE COVER PAGE TO BOOKLET

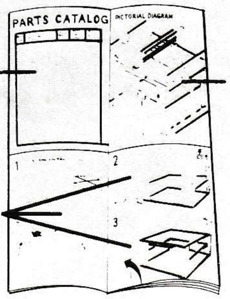
②



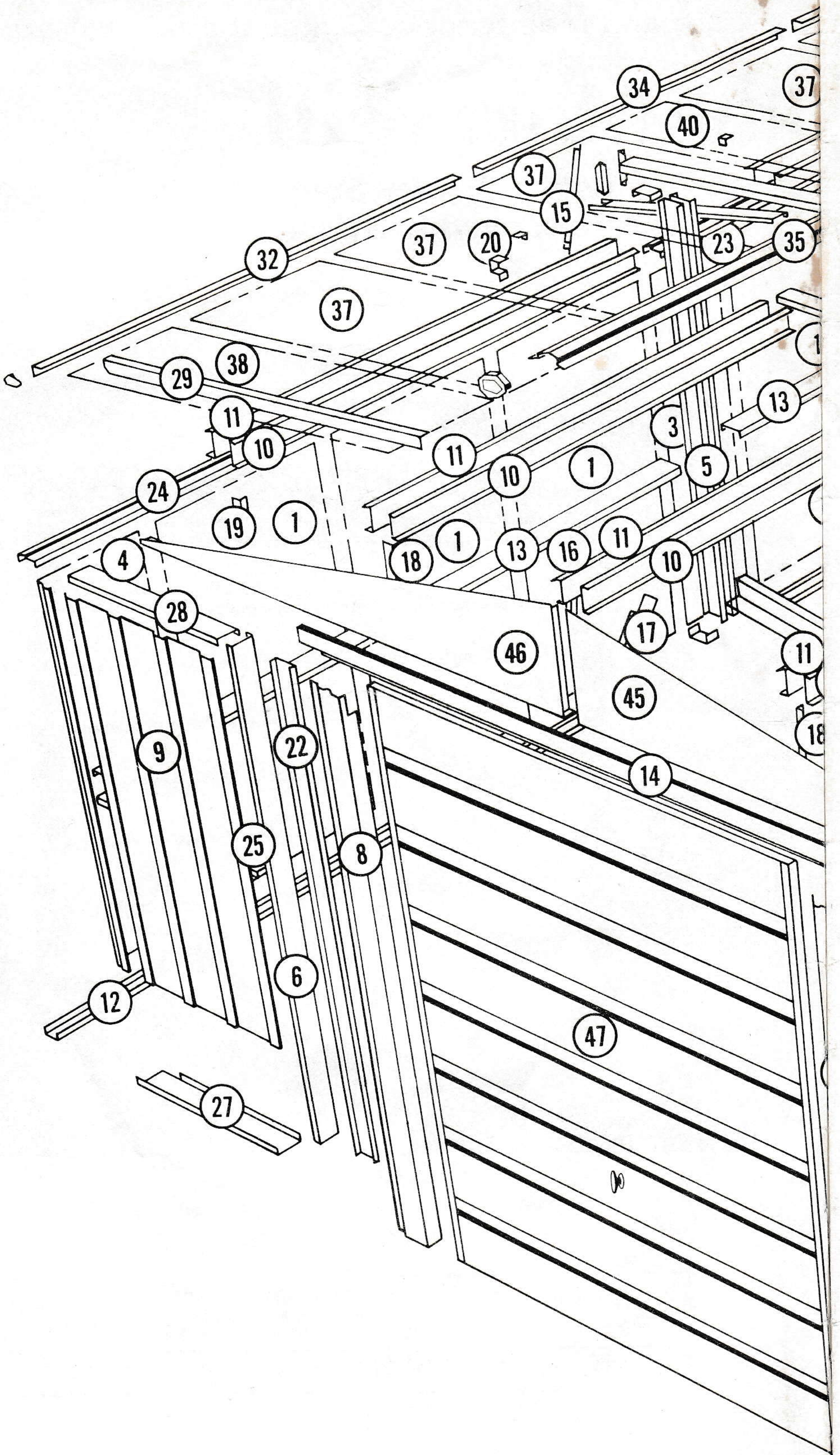
PARTS CATALOG

③

STEP–BY–STEP ASSEMBLY ILLUSTRATIONS


PARTS CATALOG
PICTORIAL DIAGRAM

PICTORIAL DRAWING


34
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27

REFER TO PARTS CATALOG, PICTORIAL DRAWING AND ASSEMBLY ILLUSTRATIONS AS YOU CONSTRUCT THE BUILDING

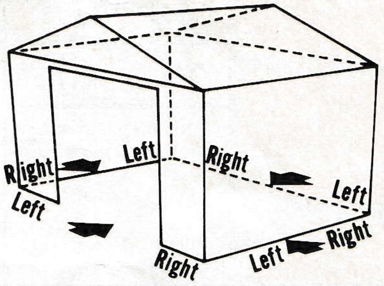
before you start:

1. Read the **Instruction Manual** and study the **Illustrations Carefully.** Note the location of the parts and how they are positioned and fastened. Remove the parts and lay them out in **Similar Groups** with the **Part Numbers Facing Up**; this will help you become familiar with most of the parts on sight.

2. CHECK THAT YOU HAVE ALL PARTS. **DO NOT** ATTEMPT TO ASSEMBLE YOUR BUILDING IF PARTS ARE MISSING! The **Parts Catalog** and **Check List** is located on the preceeding page, plus a **Pictorial Diagram.** Part numbers are generally affixed to each part, by a small printed number which can be easily removed with a water dampened cloth . . . but if missing, the part can be readily identified from the illustration.

3. Before beginning construction, prepare a site for your building. Choose an area that is firm and level, yet allows water to flow away from the building.

4. To determine if part is right or left hand, on structure, face building from the outside. Parts on right are right hand parts, etc.
When determining parts for door assembly, face door from inside building.



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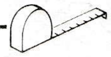
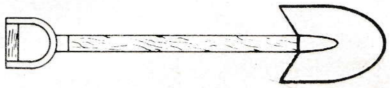
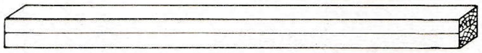
tools required:

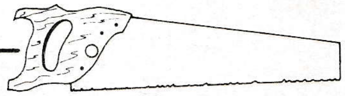
The following items will be needed for preparing a permanent foundation:

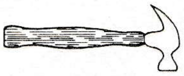
measuring tape


shovel


wooden stakes

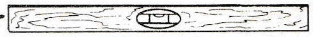
lumber


saw


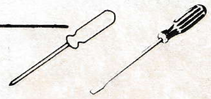
hammer


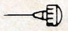
nails

string

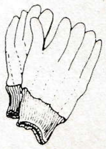
level


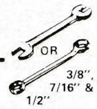
To assemble the building:

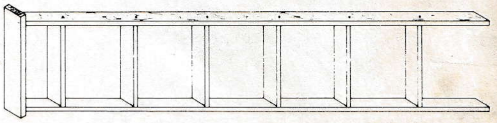
6" phillips head screwdriver with a No. 2 tip, and common (a magnetic type is especially helpful)


awl (for aligning holes if necessary)


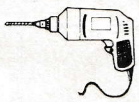
a pair of **pliers**

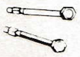
work gloves


wrench


step ladder


To anchor building:

electric drill (for anchoring to foundation)


concrete anchors


drill bits

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construction cautions:

Some parts may contain sharp edges, CARE must be taken when handling the various pieces to avoid a mishap. For safety sake, PLEASE use a pair of work gloves when assembling or performing any maintenance on the building. Do Not attempt to assemble the building on a windy day, because the large panels . . . acting as a "sail" . . . can be whipped about by wind and make the construction difficult. Do Not attempt to assemble the building if parts are missing because any building left partially assembled may be seriously damaged by heavy winds.

BUILDING PARTS CATALOG AND CHECK LIST

	ASSEMBLY KEY NO.	FACTORY PART NO.	CHECK ✓	PART DESCRIPTION	QTY.
CARTON 1	1	6927-05	☐	Wall Panel	16
	2	6928-05	☐	Wall Panel (23")	2
	3	6929-05	☐	Wall Panel (17")	2
	4	6930-05	☐	Corner Panel	4
	5	6935-00	☐	Center Column	6
	6	6944-00	☐	Front Column	2
	7	6950-18	☐	Right Door Jamb } (See Step 21)	1
	8	6951-18	☐	Left Door Jamb	1
	9	6996-05	☐	Front Wall Panel	2
2	10	6952-00	☐	Right Roof Beam	10
	11	6953-00	☐	Left Roof Beam	10
CARTON NO. 3	12	6937-00	☐	Side Floor Frame	4
	13	6940-00	☐	Side Wall Channel	4
	14	6941-18	☐	Lintel	1
	15	6945-00	☐	Track Strut (See Door)	2
	16	6948-00	☐	Channel Brace	10
	17	6954-00	☐	Gable-Truss Strut	4
	18	6955-00	☐	Inner Gable Bracket	4
	19	6956-00	☐	Outer Gable Bracket	4
	20	6968-00	☐	Spring Support Bracket (See Door)	2
	21	6970-00	☐	Right Track Support	1
	22	6971-00	☐	Left Track Support	1
	23	6997-00	☐	Left Side Eave Channel	2
	24	6998-00	☐	Right Side Eave Channel	2
	25	6999-00	☐	Left Front Wall Channel	1
	26	7000-00	☐	Right Front Wall Channel	1
	27	7001-00	☐	Front Frame	2
	28	7002-00	☐	Front Frame	2
	29	7023-18	☐	Left Roof Trim	2
	30	7024-18	☐	Right Roof Trim	2
	31A	6947-00	☐	Column Gusset	6
	31B	6958-00	☐	Inner Truss Bracket	4
	31C	6959-00	☐	Outer Truss Bracket	4
	31D	6962-00	☐	Vertical Brace	2
	31E	6963-00	☐	Upper Chord	2
	31F	6964-00	☐	Lower Chord	2
	31G	6965-00	☐	Inner Diagonal Brace	2
	31H	6966-00	☐	Outer Diagonal Brace	2
	31J	6967-00	☐	Splice Plate	1
	31K	7003-00	☐	Left Shear Plate	2
	31L	7004-00	☐	Right Shear Plate	2
	31M	7022-00	☐	Eave Bracket	4
HARDWARE		65101	☐	1/4-20 Sq Nut	
		65106	☐	#10-32 Sq Nut	
		65412	☐	#10-32X5/16 Bolt	
		65989	☐	1/4-20X1/2 Hex Hd Bolt	
		65835	☐	#6AX5/16 Screw	
		66060	☐	Plastic Washer	
		66224-18	☐	Roof Trim Cap	
		66258-18	☐	Peak Cap	
		67233	☐	Caulking Pads	
		67236	☐	Adhesive Pads	
		67242	☐	Foam Tape	
		67293	☐	Weather Stripping	
		70772	☐	Assembly Instruction	
CARTON NO. 4	32	6090-18	☐	Right Side Roof Trim	2
	33	6091-18	☐	Left Side Roof Trim	2
	34	6160-18	☐	Side Roof Trim	2
	35	6870-01	☐	Ridge Cap (81")	2
	36	6871-01	☐	Ridge Cap (75")	1
	37	6931-01	☐	Roof Panel	12
	38	6932-01	☐	Right Roof Panel	2
	39	6933-01	☐	Left Roof Panel	2
	40	6934-01	☐	Roof Panel (17")	2
	41	6938-00	☐	Rear Frame	2
	42	6939-00	☐	Rear Frame	2
	43	6942-00	☐	Right Rear Wall Channel	1
	44	6943-00	☐	Left Rear Wall Channel	1
	45	6960-05	☐	Right Gable	2
	46	6961-05	☐	Left Gable	2
5	47	67419	☐	Roll-Up Garage Door (See Page 16)	1

Anchoring Procedure:

Your storage building MUST BE ANCHORED to prevent wind damage. The use of an "AK4–0H ANCHORING KIT" is an effective method to securely anchor the building to the ground. An Anchor Kit is available at your retail store or it may be ordered directly from the factory. The address can be found on PAGE 21.

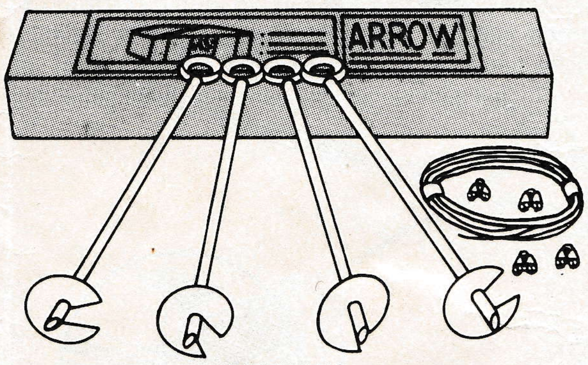
ANCHOR

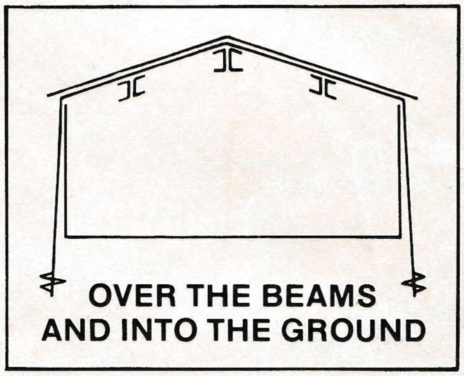
(RECOMMENDED FOR USE WITH BASES SHOWN BELOW).

Contains: 4 Anchor Legs
with Hardware
and Installation Instructions

Model No. **AK4-0H** Anchor Kit

PRICE $19.95



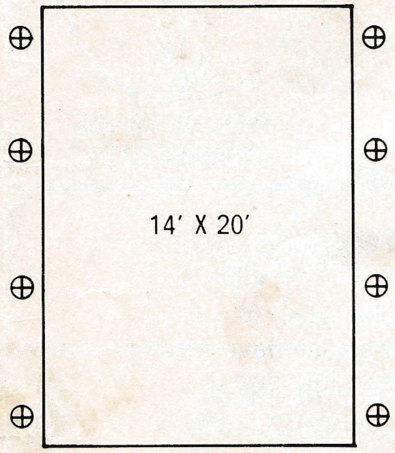


① SCREW ANCHOR INTO GROUND

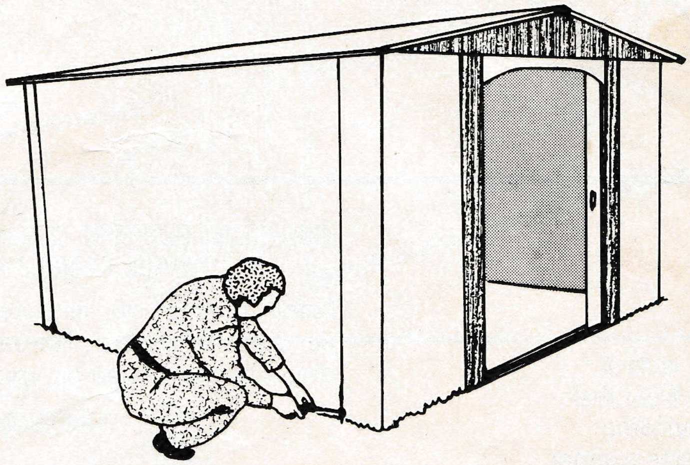
② THREAD CABLE OVER ROOF BEAMS

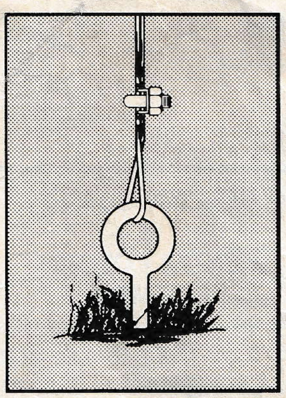
③ FASTEN CABLE TO ANCHORS

ANCHORING LOCATIONS



FRONT



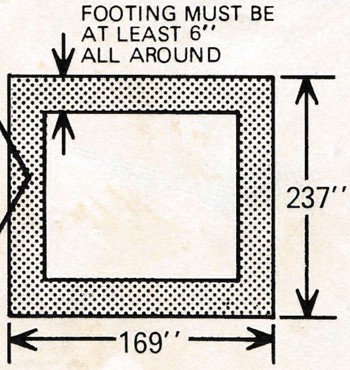


TYPE OF BASE

sand, gravel, or lawn

If your building is to be constructed on sand, gravel or lawn, the area must be firm, level and permit water drainage away from the building site. The area required for your building is given in the dimensions below.

patio blocks, bricks, or concrete

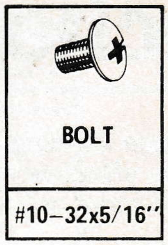


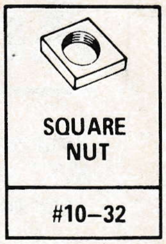
1. Prepare and level your building site.
2. Construct a level footing to dimensions shown. This will provide an apron about 2″ wide all around your building.
3. The center of the footing may be filled with sand, gravel or concrete.

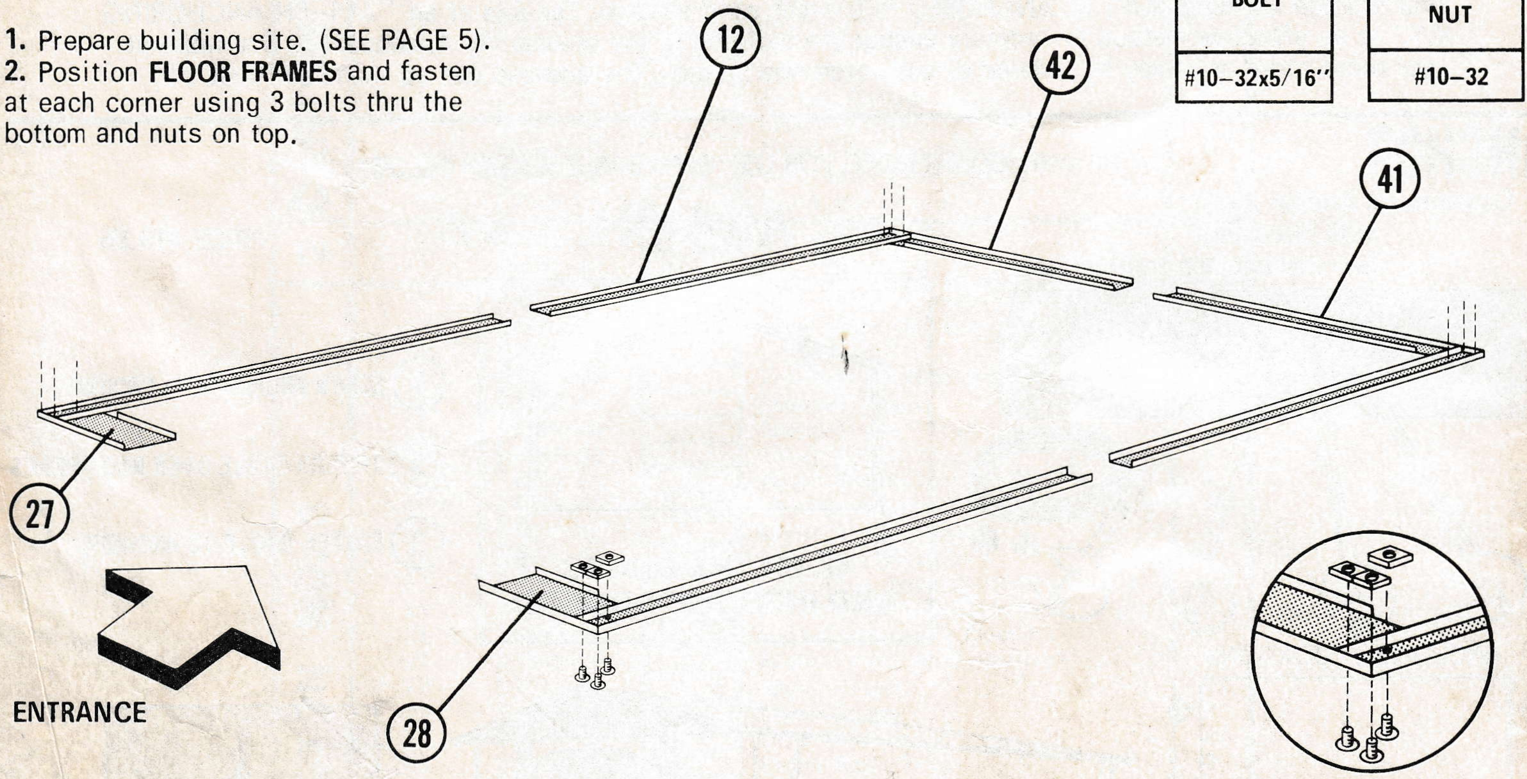
Note: For a concrete footing type base, ¼″ dia. holes have been provided in the floor frames for anchoring purposes.

1 FLOOR FRAME ASSEMBLY

1. Prepare building site. (SEE PAGE 5).
2. Position **FLOOR FRAMES** and fasten at each corner using 3 bolts thru the bottom and nuts on top.







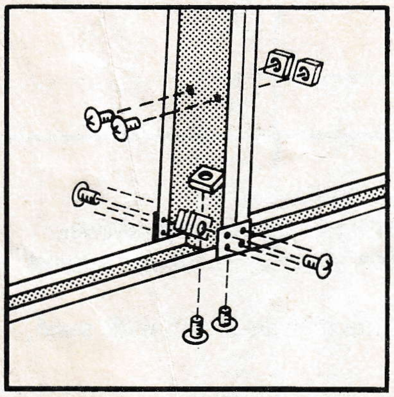
TYPICAL FRAME CONNECTION

2 COLUMN GUSSET & CENTER COLUMN ASSEMBLY

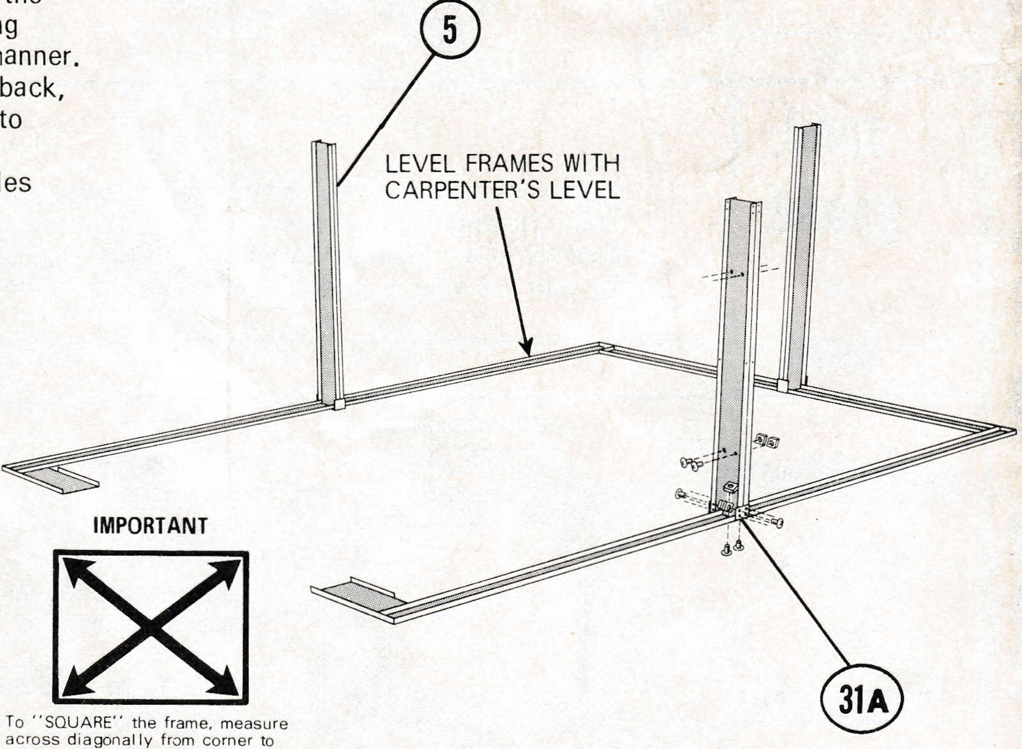
1. Fasten side floor frames together with a **COLUMN GUSSET** using 2 bolts thru from the bottom and nuts on top. At rear of building fasten rear frames together in the same manner.
2. Position **CENTER COLUMNS**, back–to–back, where floor frames are joined and fasten to gusset with bolts and nuts.
3. Join columns together thru the four holes along their length using bolts.

CAUTION: SUPPORT CENTER COLUMNS UNTIL WALL PANELS ARE ATTACHED.

Before proceeding, be sure foundation frame is perfectly ''SQUARE'' at each corner, level and properly positioned on your building site.



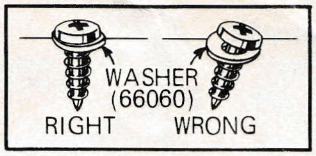
TYPICAL CENTER COLUMN ASSEMBLY



IMPORTANT

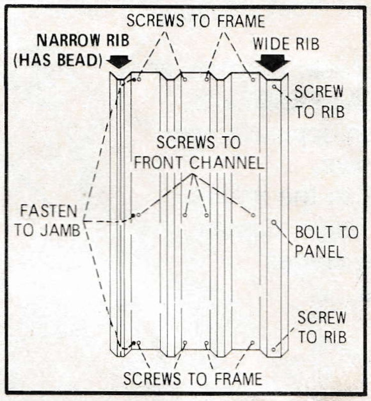
To ''SQUARE'' the frame, measure across diagonally from corner to corner. If the measurements are equal the frame is square.

3 CORNER ASSEMBLY

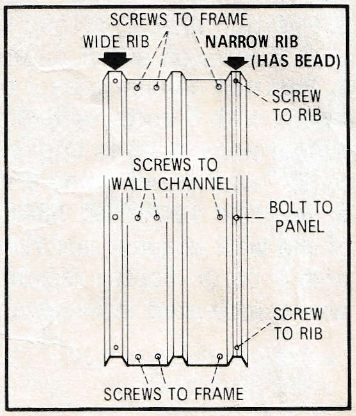

WASHER
(66060)
RIGHT
WRONG

BE SURE TO USE plastic washers under the heads of all assembly screws and bolts used to fasten panels. To use washers (supplied in flat, punched plastic sheets), simply place the entire sheet down, align a washer with a hole in the panel, insert screw and tighten firmly and squarely against the washer and the panel. Then pull sheet away.

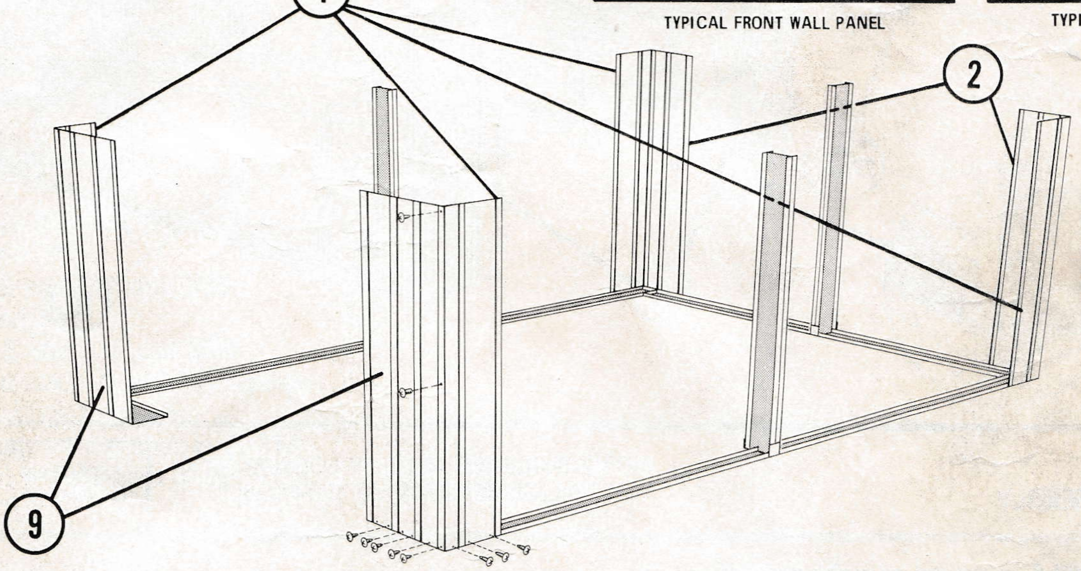
1. Install a **CORNER PANEL,** using 3 screws with washers at bottom of panel. NOTE that **WIDEST SIDE** always faces SIDE of building. SUPPORT EACH CORNER PANEL UNTIL A WALL PANEL IS ATTACHED!
2. Fasten **FRONT WALL PANELS** at front of building, using 4 screws. NOTE: Fasten panels with rib having no holes facing toward door opening. DO NOT fasten hole nearest opening.
3. Fasten center of overlapping wall panel ribs using a bolt, washer and nut, with screws at top and bottom.
4. Install **WALL PANELS 23"** at rear of building . . . narrow rib with bead overlapped by narrow rib.

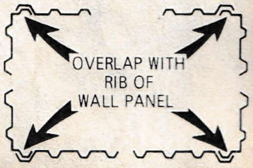

SCREWS TO FRAME
NARROW RIB (HAS BEAD)
WIDE RIB
SCREW TO RIB
SCREWS TO FRONT CHANNEL
FASTEN TO JAMB
BOLT TO PANEL
SCREW TO RIB
SCREWS TO FRAME

TYPICAL FRONT WALL PANEL

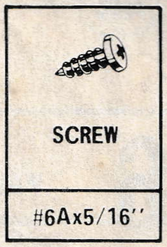

SCREWS TO FRAME
WIDE RIB
NARROW RIB (HAS BEAD)
SCREW TO RIB
SCREWS TO WALL CHANNEL
BOLT TO PANEL
SCREW TO RIB
SCREWS TO FRAME

TYPICAL WALL PANEL (23")



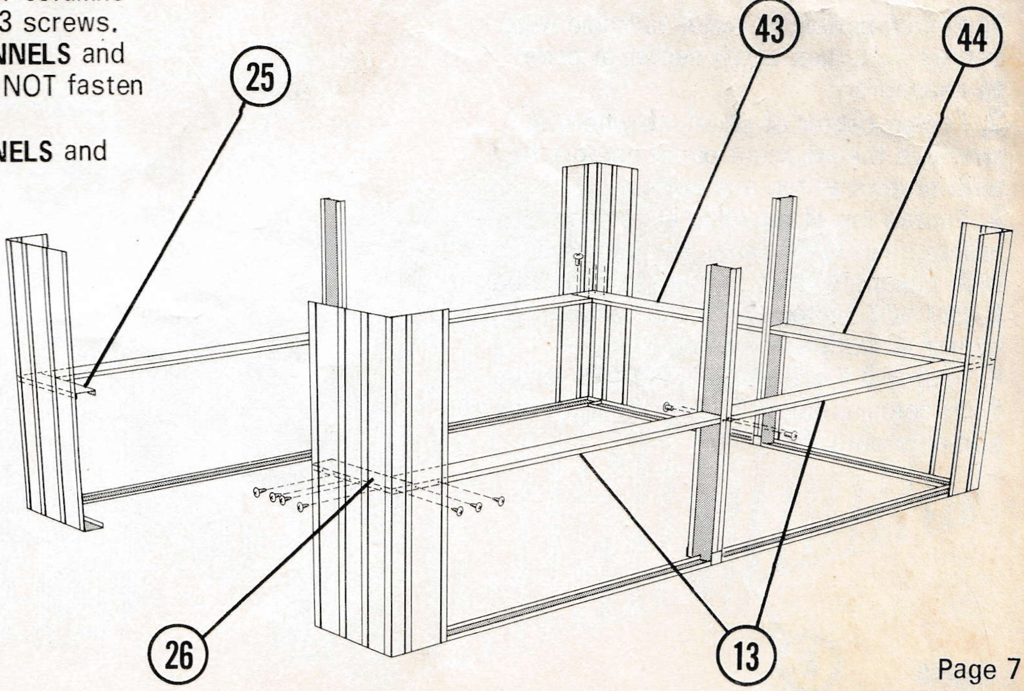

OVERLAP WITH RIB OF WALL PANEL

TYPICAL CORNER ASSEMBLY


SCREW
#6Ax5/16"

4 FRONT, SIDE & REAR WALL CHANNEL ASSEMBLY

1. Fasten **SIDE WALL CHANNELS** to center columns using 2 bolts and to corner panels using 3 screws.
2. Overlap with **R & L FRONT WALL CHANNELS** and fasten to front panel using 4 screws. DO NOT fasten hole nearest door opening.
3. Overlap with **R & L REAR WALL CHANNELS** and fasten to column, and 23" panel.
4. Fasten overlaps in all corners using 4 bolts in each.


25
43
44
26
13

5

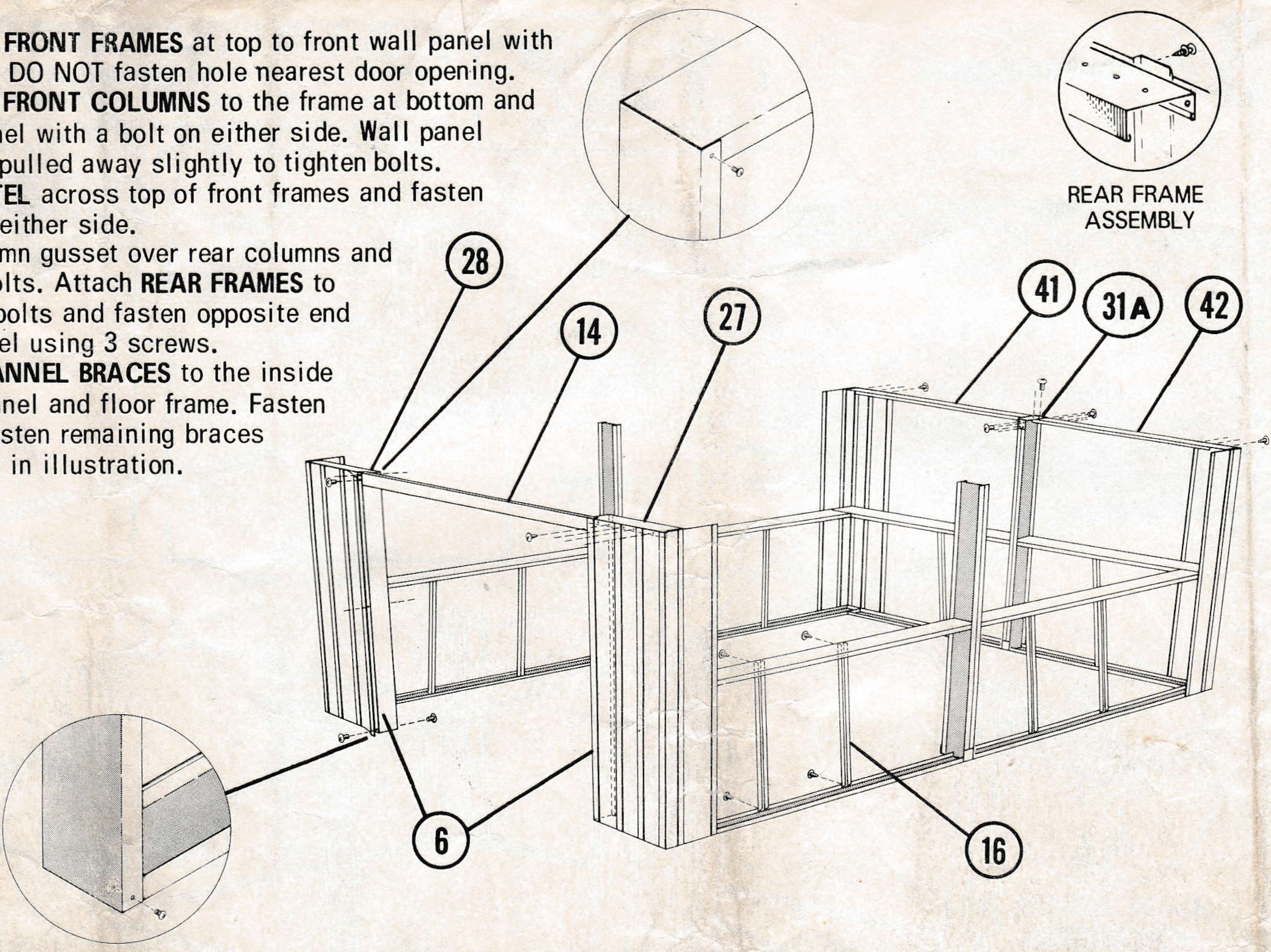
1. Fasten **FRONT FRAMES** at top to front wall panel with 4 screws. DO NOT fasten hole nearest door opening.

2. Fasten **FRONT COLUMNS** to the frame at bottom and front wall channel with a bolt on either side. Wall panel may have to be pulled away slightly to tighten bolts.

3. Position **LINTEL** across top of front frames and fasten with 2 bolts on either side.

4. Position column gusset over rear columns and fasten with 6 bolts. Attach **REAR FRAMES** to gusset using 4 bolts and fasten opposite end to 23'' wall panel using 3 screws.

5. Position **CHANNEL BRACES** to the inside of the wall channel and floor frame. Fasten with 2 bolts. Fasten remaining braces where indicated in illustration.


REAR FRAME ASSEMBLY
28
14
27
41
31A
42
6
16

6

WALL ASSEMBLY

1. Install **WALL PANELS,** starting at right side of building. NOTE: NARROW wall panel rib (RIB WITH BEAD ON IT) is always OVERLAPPED by WIDE RIB of adjacent panel. DO NOT tighten screws until all panels are in place . . . this will assure easier alignment of screw holes.

2. Fasten bottom of panel to frame with screws . . . then catch center of panel to channels.

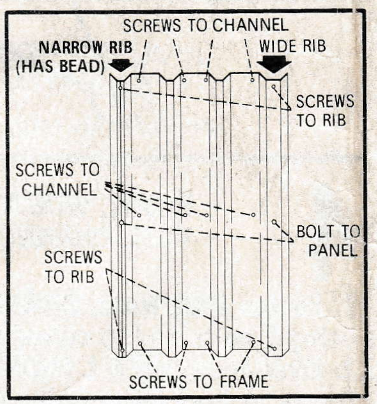
3. Fasten center of panel rib where it overlaps the adjacent panel using a bolt with screws at top and bottom.

4. Fasten top of panel to eave channels with screws. Front and rear frames overlap side channels. Fasten overlap with 3 bolts.

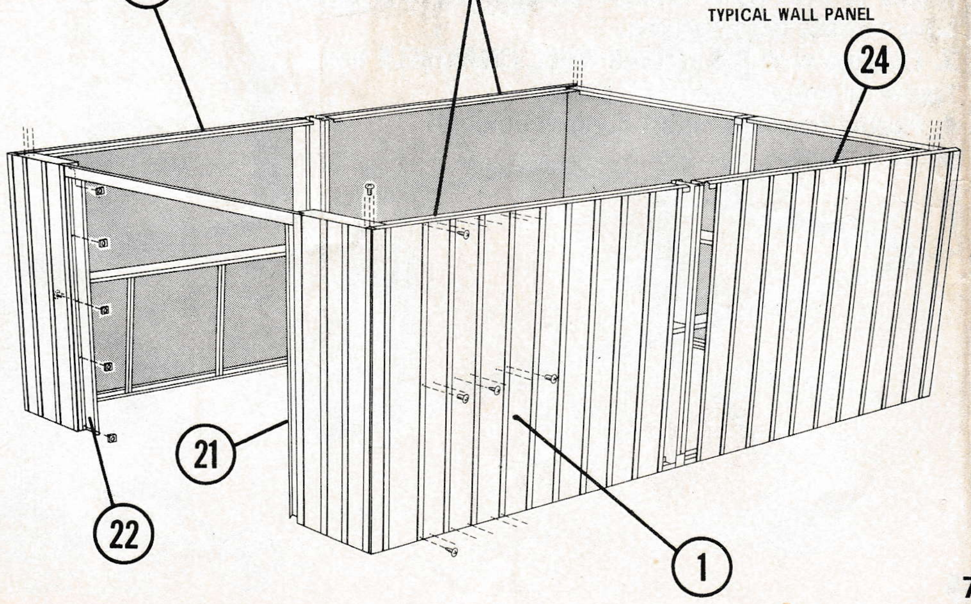
5. DO NOT fasten (17'') wall panels to the center on both sides of building.

6. Fasten **R & L TRACK SUPPORTS** to the front columns using 5 bolts from the inside and nuts outside.

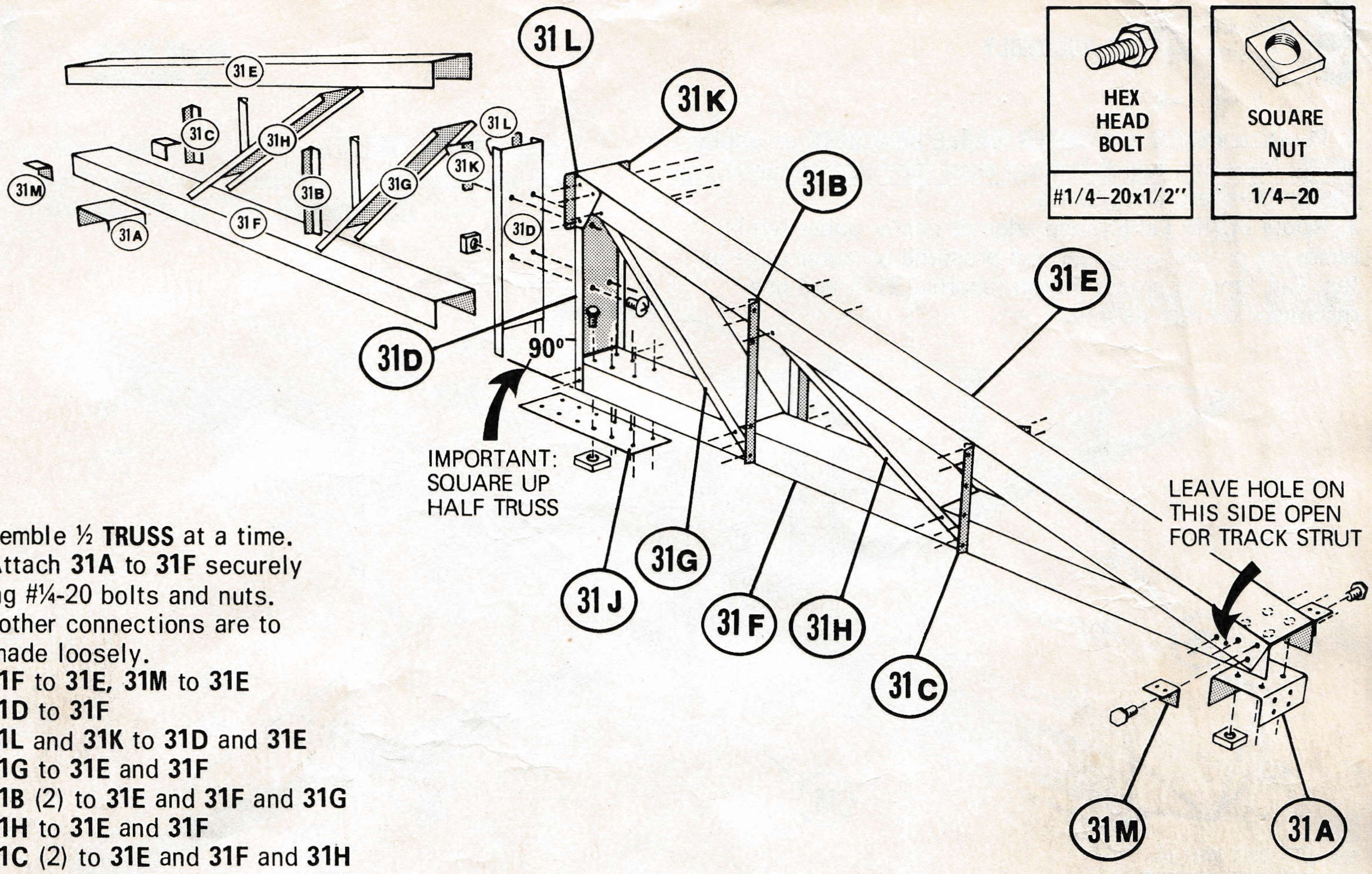
NOTE: BUILDING MUST BE SQUARE OR HOLE ALIGNMENT MAY BE DIFFICULT


SCREWS TO CHANNEL
NARROW RIB (HAS BEAD)
WIDE RIB
SCREWS TO RIB
SCREWS TO CHANNEL
BOLT TO PANEL
SCREWS TO RIB
SCREWS TO FRAME

TYPICAL WALL PANEL


24
23
24
21
22
1

7

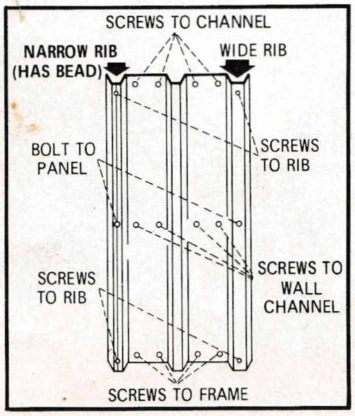

31E
31C
31H
31L
31K
31M
31B
31G
31D
31A
31F
HEX HEAD BOLT
#1/4–20x1/2"
SQUARE NUT
1/4–20
31L
31K
31B
31E
31D
90°
IMPORTANT: SQUARE UP HALF TRUSS
LEAVE HOLE ON THIS SIDE OPEN FOR TRACK STRUT
31G
31J
31F
31H
31C
31M
31A

Assemble ½ **TRUSS** at a time.

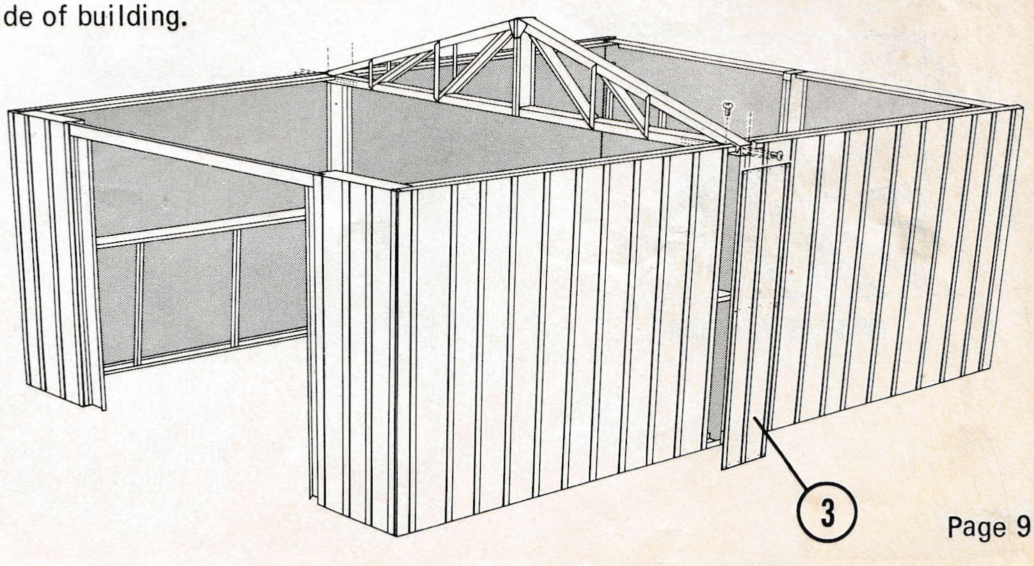
1. Attach **31A** to **31F** securely using #¼-20 bolts and nuts. All other connections are to be made loosely.
2. **31F** to **31E**, **31M** to **31E**
3. **31D** to **31F**
4. **31L** and **31K** to **31D** and **31E**
5. **31G** to **31E** and **31F**
6. **31B** (2) to **31E** and **31F** and **31G**
7. **31H** to **31E** and **31F**
8. **31C** (2) to **31E** and **31F** and **31H**
9. Square up ½ truss, adjust and tighten.
10. Make other half and square.
11. Splice both halves together with **31J** and join with (4) #10-32 thru **31D**

8

1. Position Truss Assembly on building by sliding column gussets over center columns and fasten with 8 bolts on each gusset.
2. Position side eave channels over eave brackets and fasten with a bolt.
3. Fasten **WALL PANELS (17")** to each side of building.


SCREWS TO CHANNEL
NARROW RIB (HAS BEAD)
WIDE RIB
BOLT TO PANEL
SCREWS TO RIB
SCREWS TO RIB
SCREWS TO WALL CHANNEL
SCREWS TO FRAME

TYPICAL WALL PANEL (17")

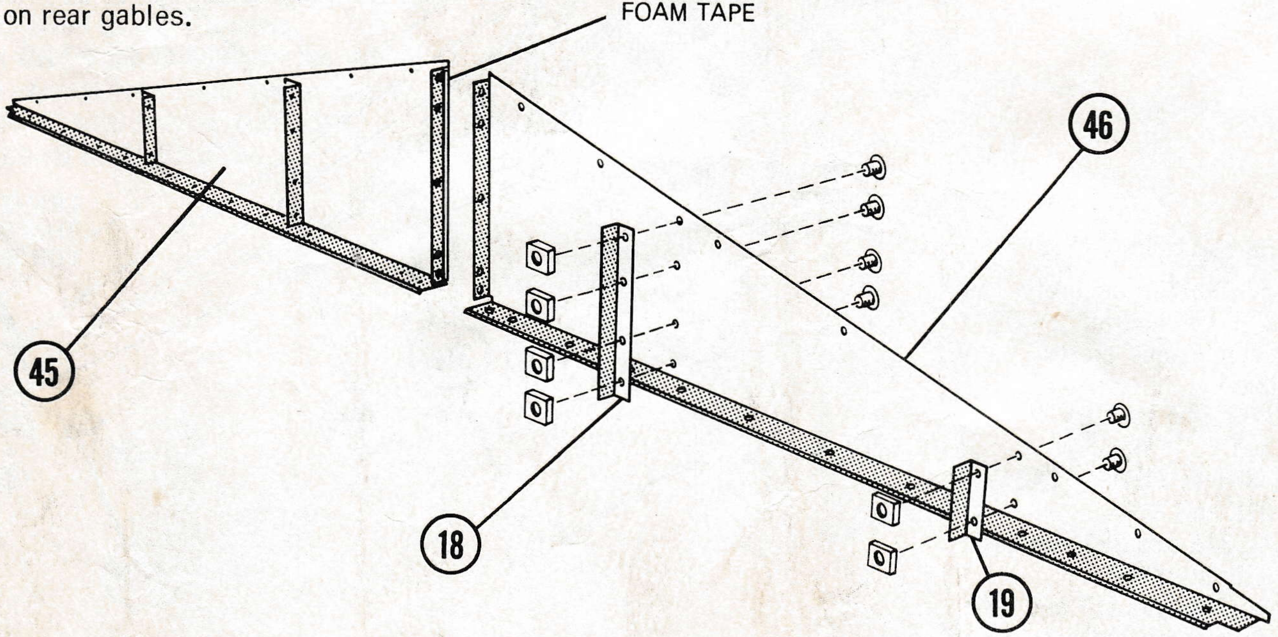


9

GABLE ASSEMBLY

1. Position **INNER** and **OUTER GABLE BRACKETS** on gables. NOTE: Mounting leg of bracket must face outside building. Fasten brackets using bolts.

2. Apply **FOAM TAPE** along edge of center gable leg by removing protective paper and pressing on outer edge of leg. Cut tape to proper length (approx. 21") and use remainder on rear gables.



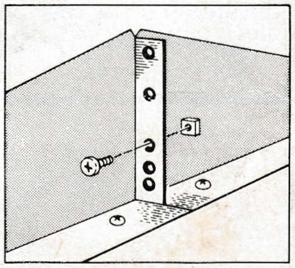
10

1. Position a **LEFT GABLE ASSEMBLY** on top of lintel and fasten using bolts.

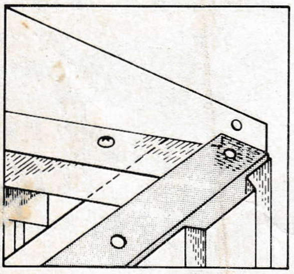
2. Position a **RIGHT GABLE ASSEMBLY** and fasten in the same manner.

3. Join left and right gables together at the center with a bolt in the third hole from the bottom only!

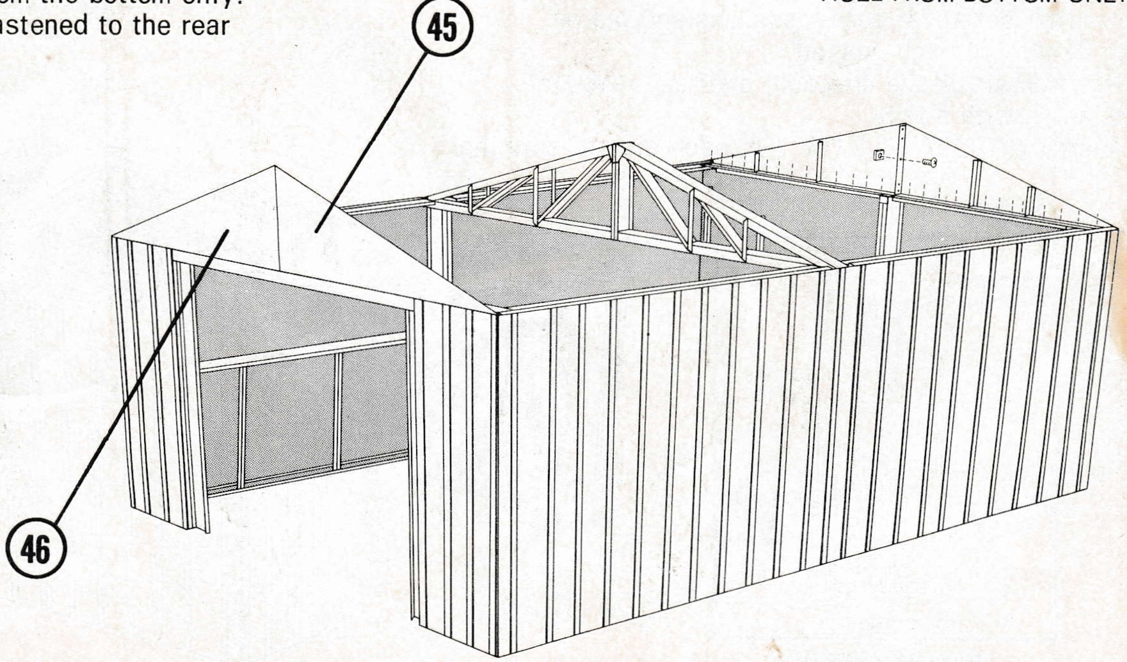
4. Second pair of gables are fastened to the rear frame in the same manner.



JOIN GABLES AT THIRD HOLE FROM BOTTOM ONLY

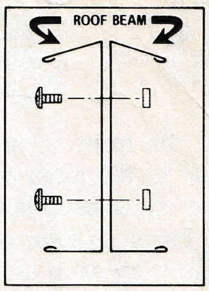


TYPICAL CORNER

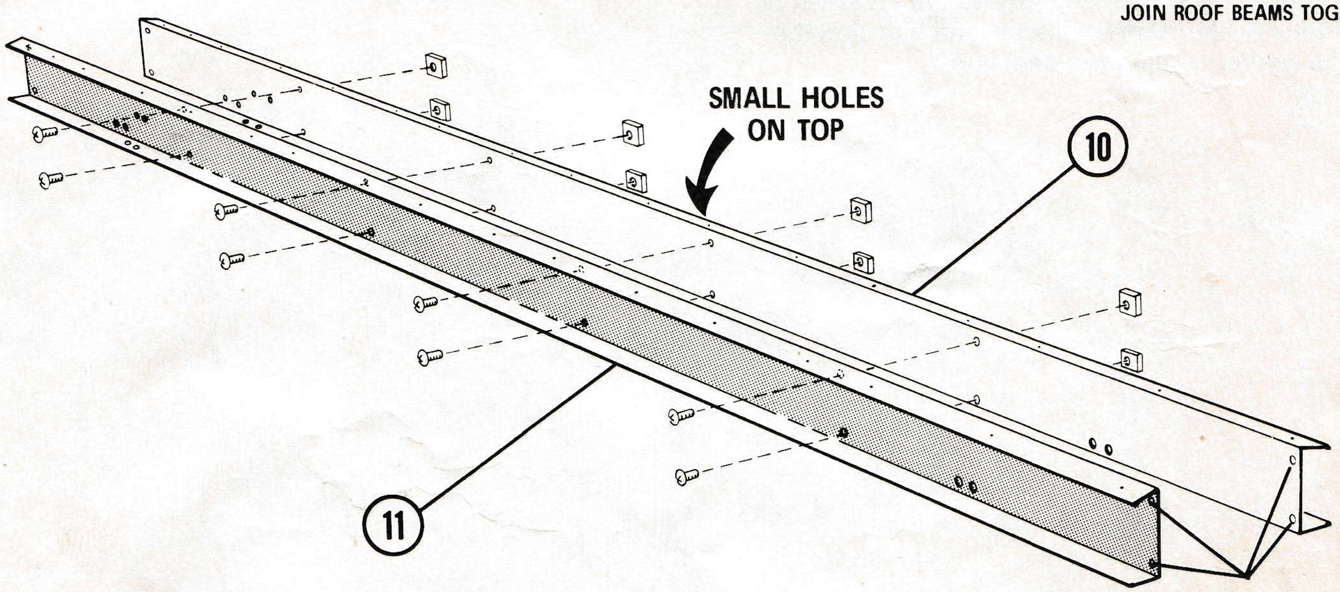


11 ROOF BEAM ASSEMBLY

1. Align the holes on a **LEFT** and **RIGHT ROOF BEAM** back to back and fasten together using bolts and nuts where indicated. MAKE TEN ASSEMBLIES.



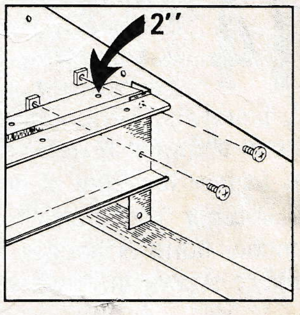
JOIN ROOF BEAMS TOGETHER

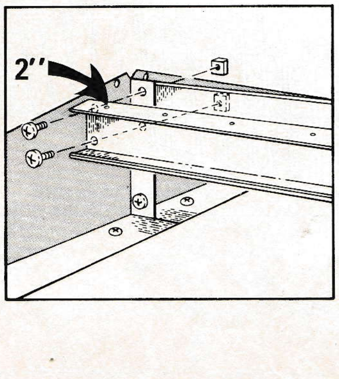


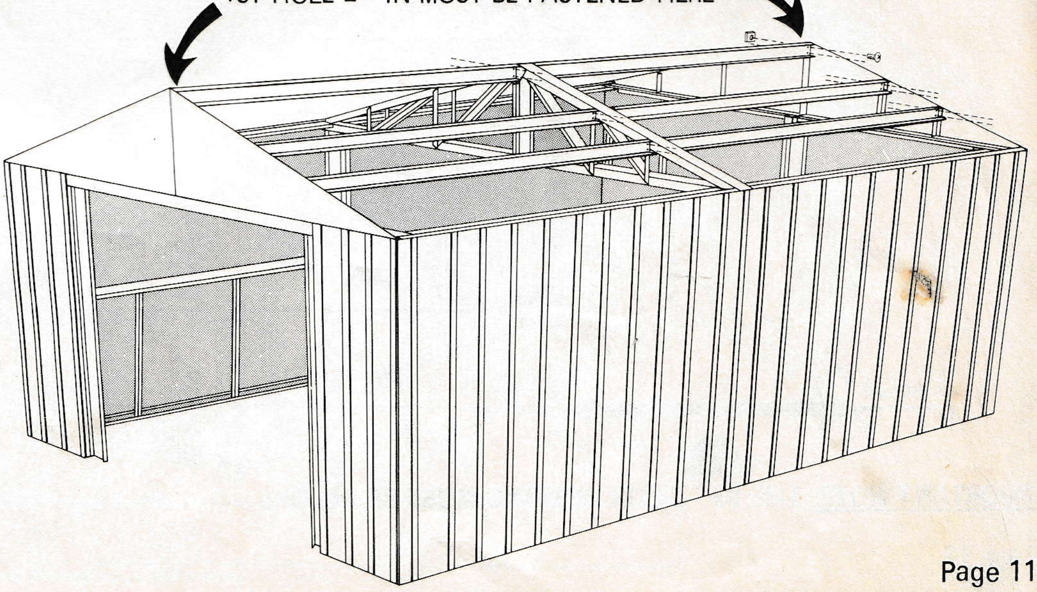
ALIGN END HOLES BEFORE TIGHTENING BOLTS AND NUTS

12

1. Slide a Roof Beam Assembly over center gable leg, and fasten with bolts and nuts. NOTE: Legs with small holes along length must be on top surface, and 1st HOLE 2″ in from end must be fastened toward gable.
2. Slide opposite end over shear plates on truss and fasten with bolts and nuts.
3. Install remaining roof beam assemblies to the brackets in the same manner.





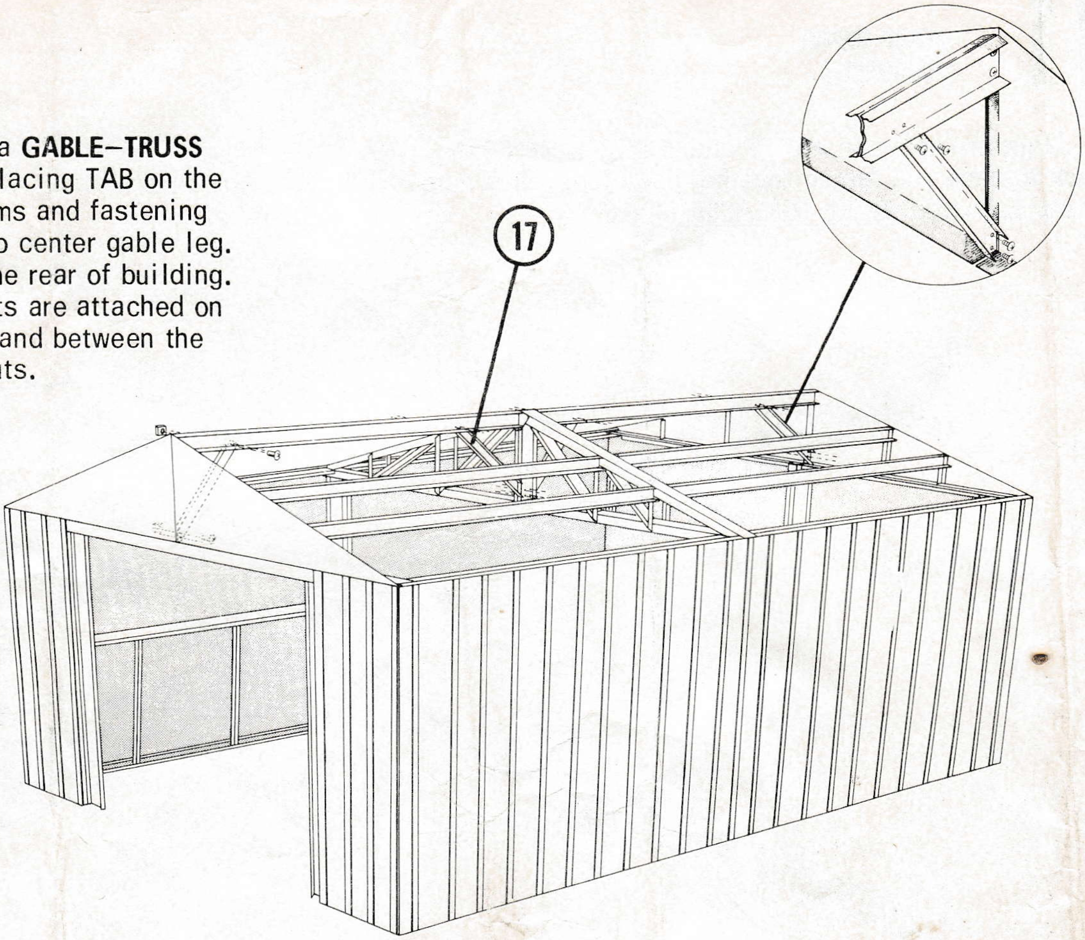


IMPORTANT NOTE: END OF BEAMS HAVING 1ST HOLE 2″ IN MUST BE FASTENED HERE

13

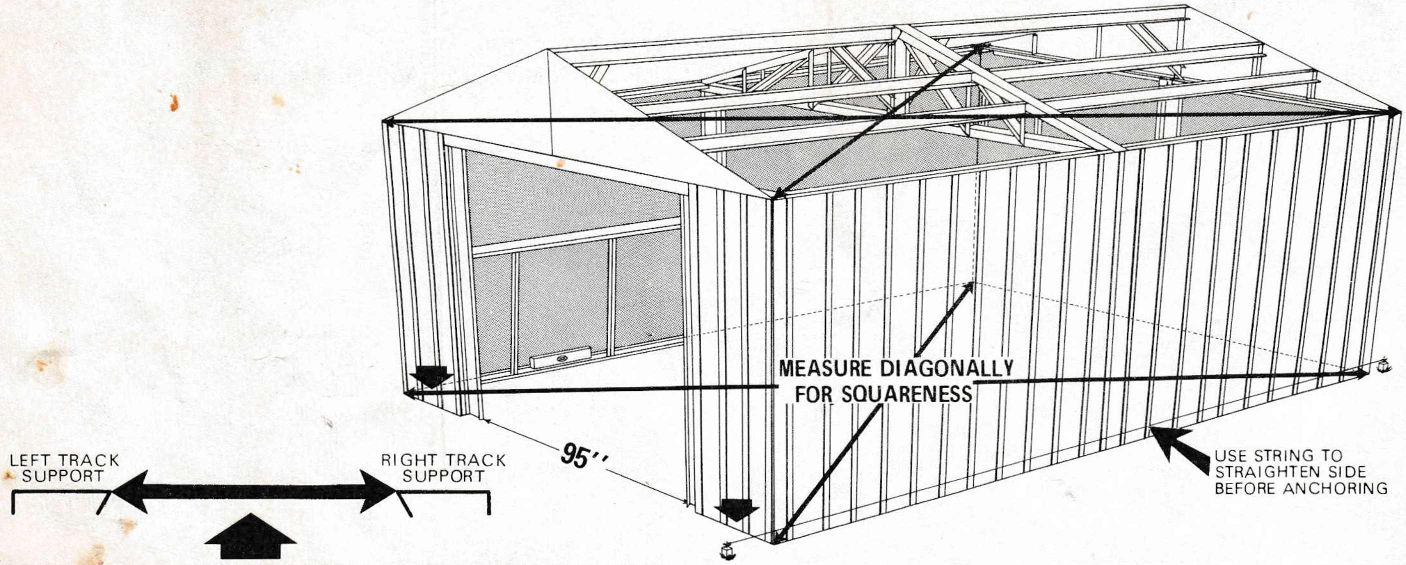
GABLE–TRUSS STRUT ASSEMBLY

1. At the front of building attach a **GABLE–TRUSS STRUT** to the main roof beam by placing TAB on the end of strut between the roof beams and fastening with bolts. Fasten opposite end to center gable leg.
2. The next strut is fastened at the rear of building.
3. At the truss assembly the struts are attached on both sides at the main roof beam and between the vertical brace, using bolts and nuts.



14

1. Square the building on the base and at top, by measuring diagonally from corner to corner as previously done.
2. Use string to check and see if the sides and rear of building are straight, not bowed inward or outward.
3. Level the full perimeter of the floor frame . . . shim under with wood shingles if necessary.
4. Square the front of building as previously done for base.
5. Anchor front frame to concrete with ¼" dia. expandable anchor bolts or anchor front frame to ground by other means, where shown in illustration.


MEASURE DIAGONALLY
FOR SQUARENESS
95''
USE STRING TO STRAIGHTEN SIDE BEFORE ANCHORING
LEFT TRACK SUPPORT
RIGHT TRACK SUPPORT

IMPORTANT NOTE: THE 95" DOOR OPENING MUST BE HELD

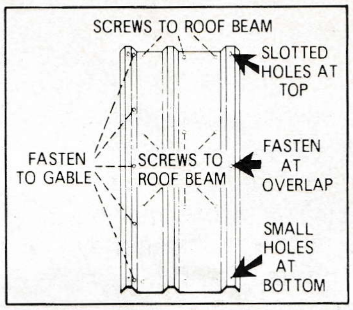
15

ROOF ASSEMBLY

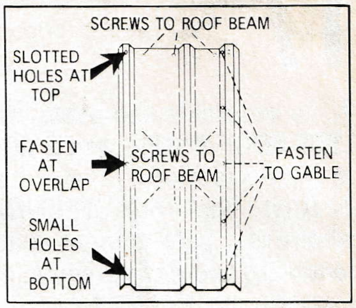
USE OF A STEP LADDER WILL
AID IN ROOF ASSEMBLY

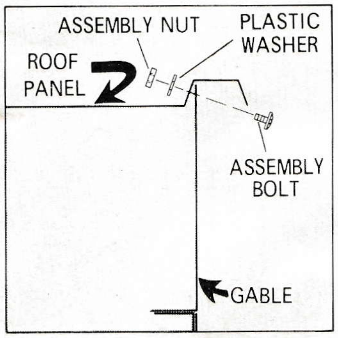
1. There are **LEFT** and **RIGHT** corner **ROOF PANELS.**
2. Position a right roof panel and fasten with screws and washers to the top and middle roof beams.
3. DO NOT fasten the lower end of panels to eave channels until all panels are in place.
4. Fasten side of panel to gable with bolts, washers and nuts.
5. Fasten **LEFT ROOF PANEL** in the same manner.

LEFT ROOF PANEL

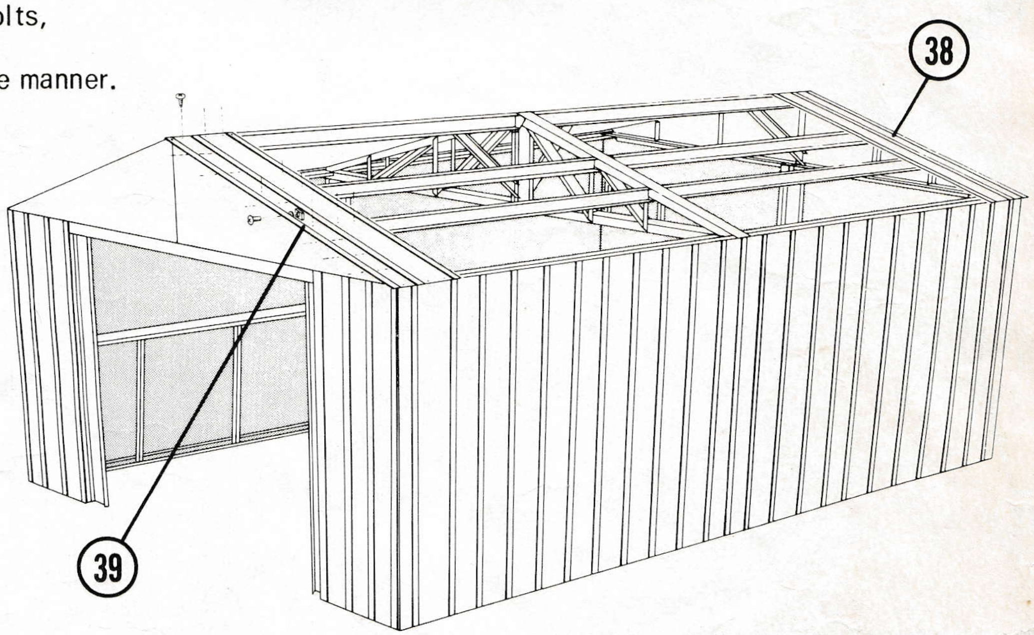

SCREWS TO ROOF BEAM
SLOTTED HOLES AT TOP
FASTEN TO GABLE
SCREWS TO ROOF BEAM
FASTEN AT OVERLAP
SMALL HOLES AT BOTTOM

RIGHT ROOF PANEL


SCREWS TO ROOF BEAM
SLOTTED HOLES AT TOP
FASTEN AT OVERLAP
SCREWS TO ROOF BEAM
FASTEN TO GABLE
SMALL HOLES AT BOTTOM


ASSEMBLY NUT
PLASTIC WASHER
ROOF PANEL
ASSEMBLY BOLT
GABLE

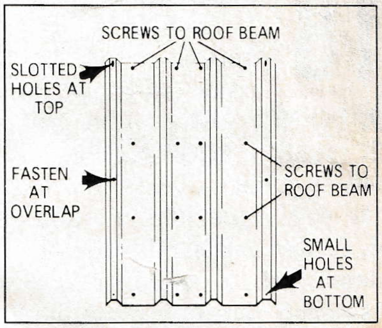
FASTEN ROOF PANEL TO GABLE

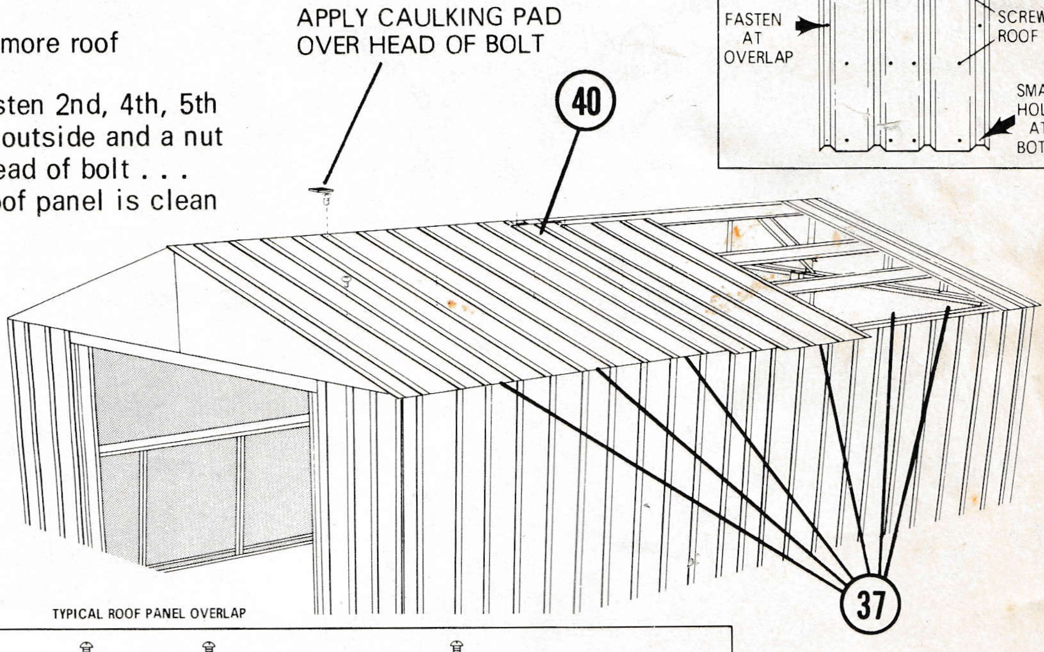


16

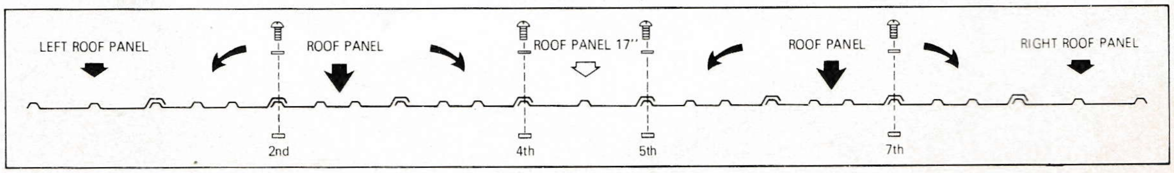
1. Position a **ROOF PANEL** overlapping rib of left corner panel. Fasten at top to roof beam and middle roof beams using screws.
2. Fasten overlap at center of roof panel using a bolt.
3. Install a 2nd and 3rd roof panel and a **ROOF PANEL** (17''), overlapping adjacent panels.
4. To complete side of roof, install 3 more roof panels as above.
5. At top roof beam end of panels, fasten 2nd, 4th, 5th and 7th overlaps with a bolt from the outside and a nut inside. Apply **CAULKING PAD** over head of bolt . . . pressing it firmly in place. Be sure roof panel is clean and dry before using caulking pad.

ROOF PANEL


SCREWS TO ROOF BEAM
SLOTTED HOLES AT TOP
FASTEN AT OVERLAP
SCREWS TO ROOF BEAM
SMALL HOLES AT BOTTOM


APPLY CAULKING PAD OVER HEAD OF BOLT
40
37

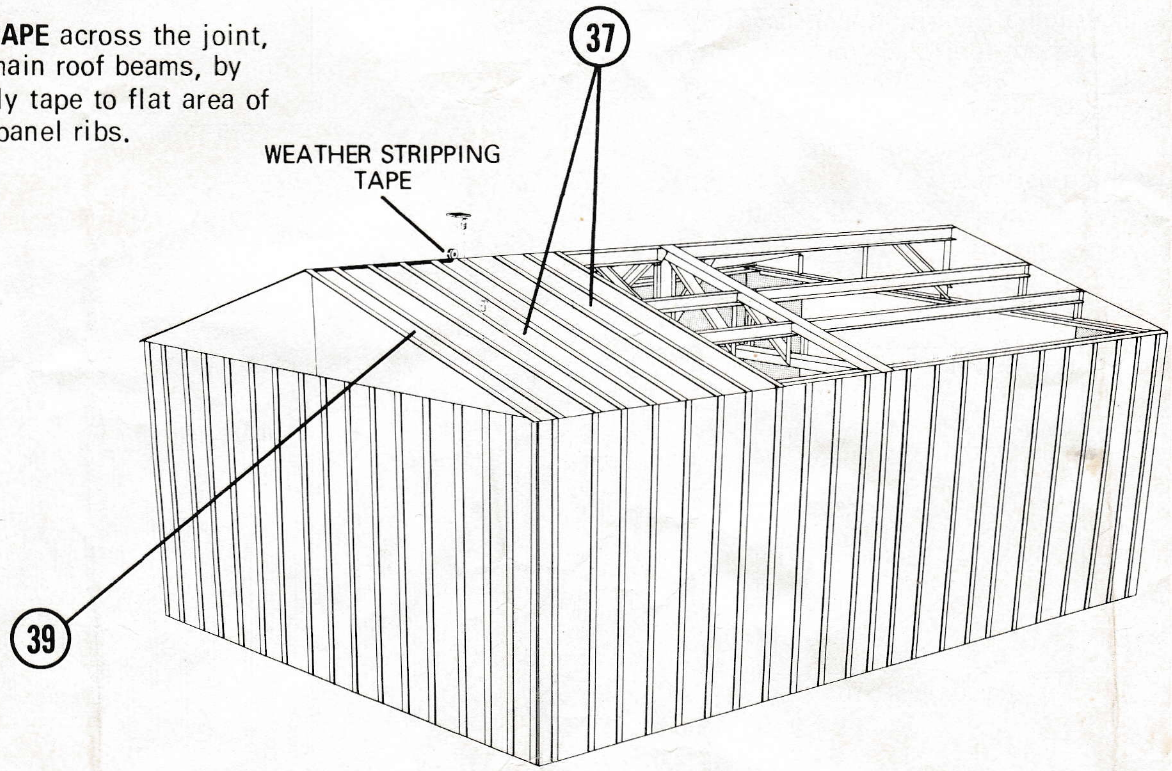
TYPICAL ROOF PANEL OVERLAP


LEFT ROOF PANEL
ROOF PANEL
ROOF PANEL 17''
ROOF PANEL
RIGHT ROOF PANEL
2nd
4th
5th
7th

FASTEN OVERLAPS AT ROOF BEAM END OF PANEL

17

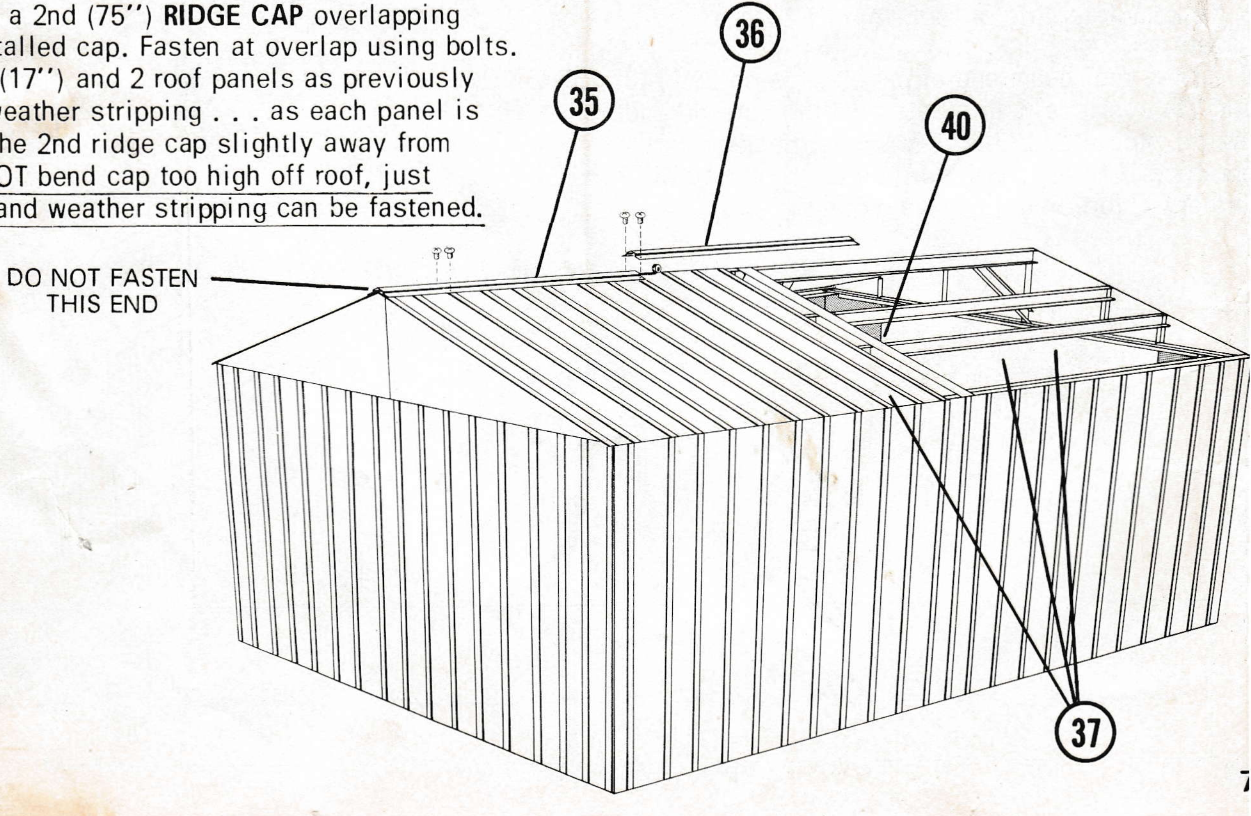
1. To assemble the other half of the roof, install a **LEFT ROOF PANEL** and 2 **ROOF PANELS** as described in previous step.
2. Apply **WEATHER STRIPPING TAPE** across the joint, where roof panels meet at the main roof beams, by removing protective paper. Apply tape to flat area of roof panels. **DO NOT** tape roof panel ribs.



18

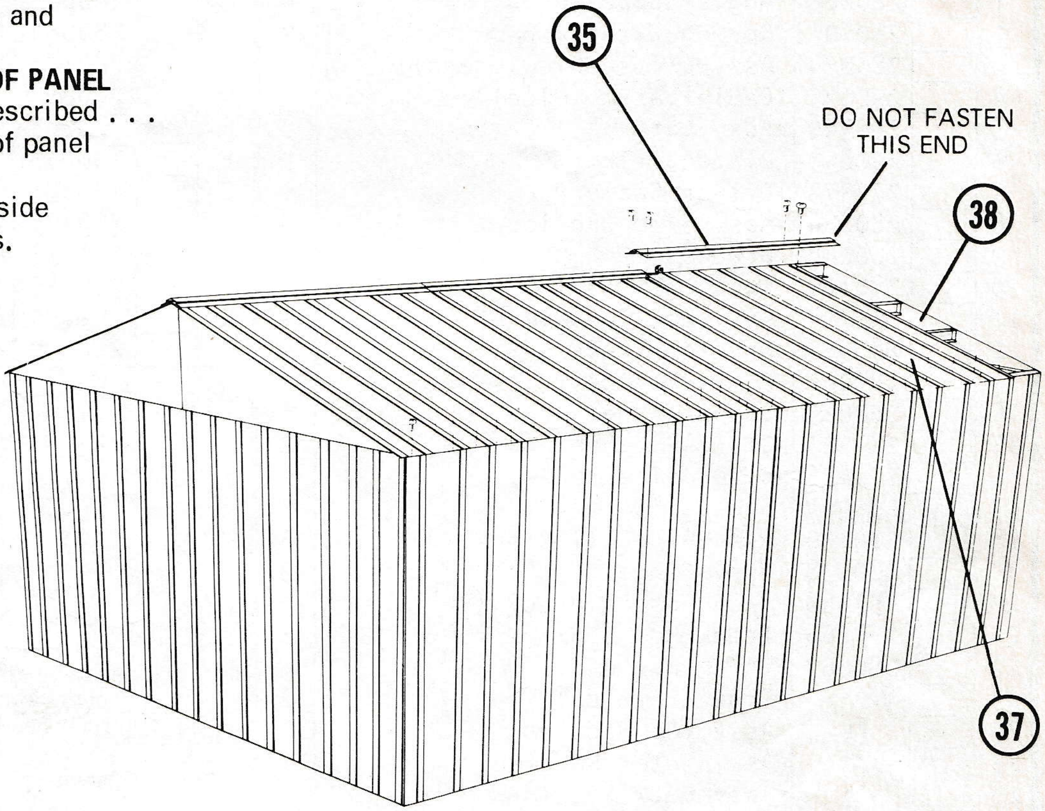
RIDGE CAP ASSEMBLY

1. Position a (81'') **RIDGE CAP** over the completed portion of roof and fasten the 1st roof panel overlap, using bolts and washers from the outside and nuts inside.
2. DO NOT fasten either end of ridge cap at this time!
3. Install a **ROOF PANEL,** continue weather stripping across top of panel . . . position a 2nd (75'') **RIDGE CAP** overlapping the end of previously installed cap. Fasten at overlap using bolts.
4. Fasten 1 **ROOF PANEL** (17'') and 2 roof panels as previously described . . . continue weather stripping . . . as each panel is fastened carefully raise the 2nd ridge cap slightly away from roof panels. NOTE: DO NOT bend cap too high off roof, just enough so screws, bolts and weather stripping can be fastened.



19

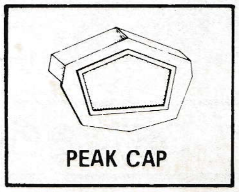
1. To complete roof section fasten the remaining **RIDGE CAP** by overlapping 2nd ridge cap and installing as previously done.
2. Position and fasten the remaining **ROOF PANEL** and **RIGHT ROOF PANEL** as previously described . . . fasten ridge cap to roof panels at 8th roof panel overlap.
3. Fasten the lower end of all panels to side eave channels using screws and washers.

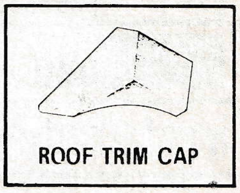


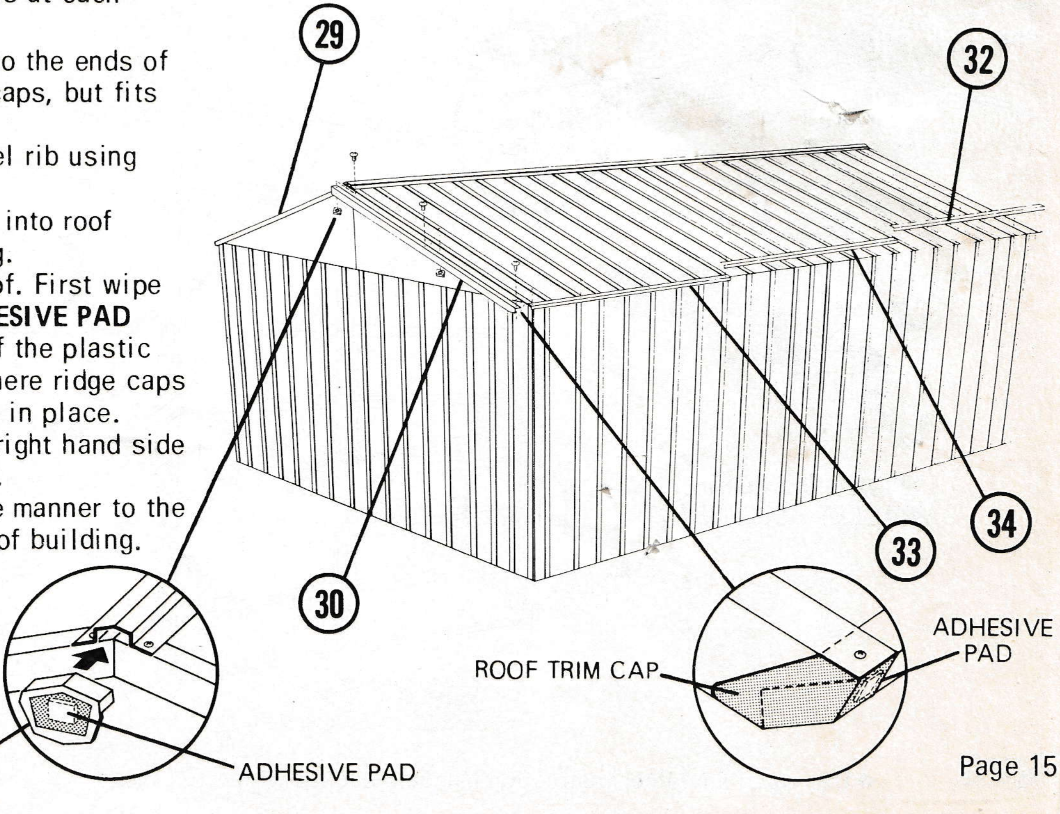
20

ROOF TRIM ASSEMBLY

1. Attach (81″) **LEFT SIDE ROOF TRIM,** (75″) **SIDE ROOF TRIM** and (81″) **RIGHT SIDE ROOF TRIM** pieces to lower end of roof panels, using screws at each roof panel overlap.
2. Position **LEFT** and **RIGHT ROOF TRIM** to the ends of roof, noting that trim slips under ridge caps, but fits on top of side roof trim.
3. Fasten trim to ridge cap and roof panel rib using bolts.
4. Fasten trim to side trim using screws into roof panels, at both front and rear of building.
5. Attach **PEAK CAPS** to the peaks of roof. First wipe surfaces clean, then place a small **ADHESIVE PAD** (taken from larger sheet) to the inside of the plastic cap. Position cap carefully over joint where ridge caps and trim sections meet, and press firmly in place.
6. Fasten **RIGHT ROOF TRIM CAP** to the right hand side where trims meet using an adhesive pad.
Fasten **LEFT ROOF TRIM CAP** in the same manner to the left side, and repeat procedure on front of building.


PEAK CAP


ROOF TRIM CAP



PARTS CATALOG AND CHECK LIST

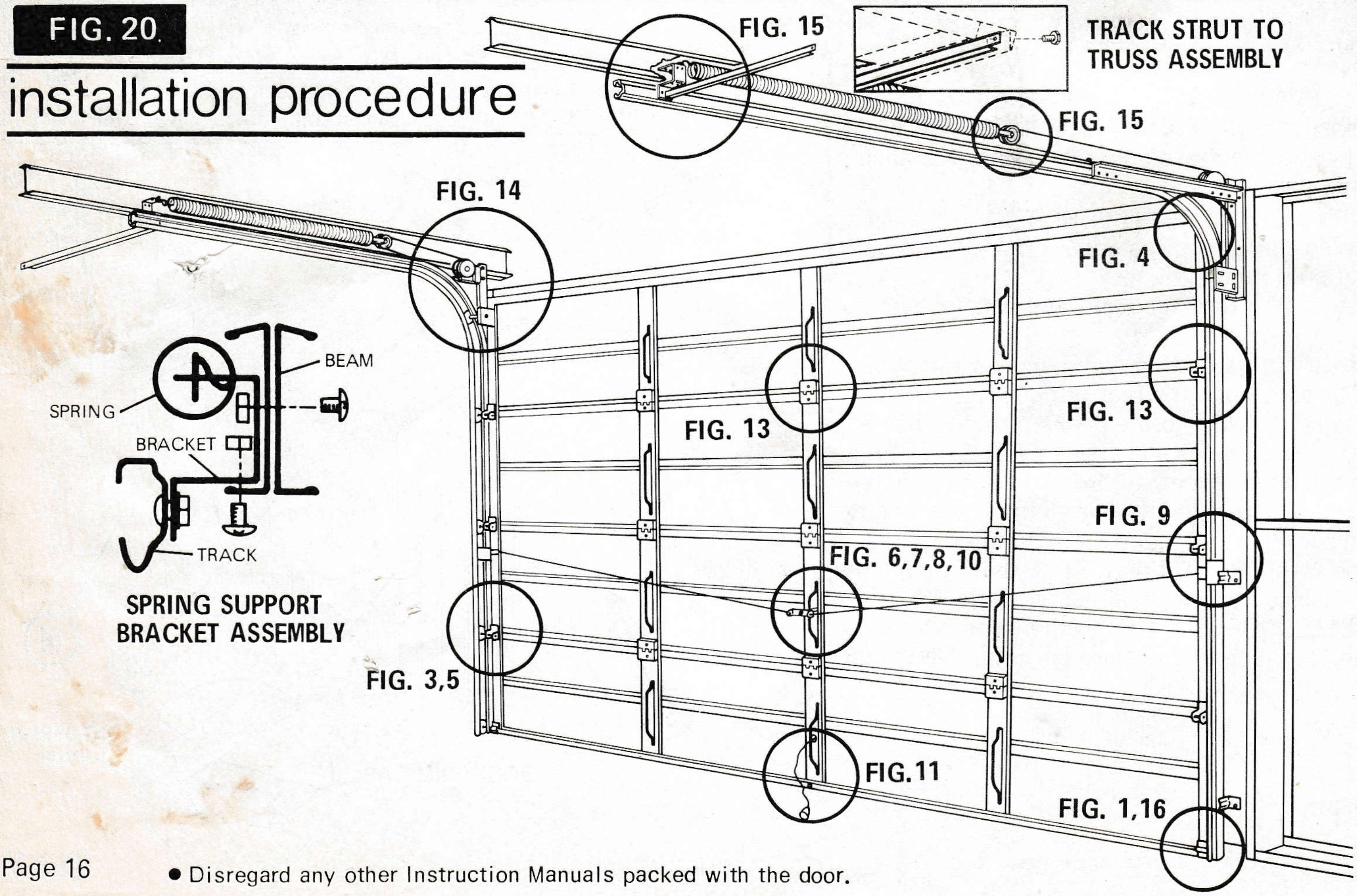
KEY NO.	C H K.	FACTORY PART NO.	PART DESCRIPTION CARTON	Q T Y.
1	☐	280062	Angle-Support	4
2	☐	250701	Spring-Extension	2
3	☐	280074	Assy-Lift Cable (Green)	1
4	☐	292145	Cable-Latch (Blue)	1
5	☐	280140	Assy-Latch	2
6	☐	250850	Plate-Striker	2
7	☐	273373	Driver-Cable	1
8	☐	280254	Assy-Nylon Roller	10
9	☐	280048	Bracket-Top	2
10	☐	280100	Rope-Pull	1
11	☐	250704	Assy-Lock Handle	1
12	☐	280060	Bracket-Track	4
13	☐	280061	Plate-Splice	2
14	☐	280063	Support-Sheave	2
15	☐	271321	Clevis-Sheave	2
16	☐	271496	Clip-Joiner	2
17	☐	290039	Sheave (Nylon)	4
18	☐	280139	Assy-Hin Roll Brack	6
19	☐	280138	Assy-Hinge	3
20	☐	252666	Assy-Bottom Brack (PR)	1
21	☐	280066	Track-Hor L.H.	1
22	☐	280067	Track-Hor R.H.	1
23	☐		Track-Vertical	2
24	☐	#4	Assy-Top Section	1
25	☐	#3	Assy-Inter. Section	1
26	☐	#2	Assy-Lock Section	1
27	☐	#1	Assy-Bottom Section	1
28	☐	252335	Bracket-Opener(Auto Door)	1

KEY LTR.	C H K.	FACTORY PART NO.	PART DESCRIPTION HARDWARE	Q T Y
A	☐	280083	Screw-Hex Washer 1/4"-20X1/2"	2
B	☐	280084	Nut-Hex Washer 1/4"-20	40
C	☐	280081	Bolt-Carriage 1/4"-20X1/2"	36
D	☐	280089	Bolt-Carriage 1/4"-20X1"	2
E	☐	290146	Pin-Cotter 1/8"X3/4"	1
F	☐	250853	Screw-Rd Hd #10-24X1/2"	2
G	☐	290091	Grip-Pull Rope	1
H	☐	290105	Washer-3/8" ID	3
J	☐	291022	Hook-Special "S"	4
K	☐	290999	Tube-Bumper	2
L	☐	290040	Bolt-Shoulder 5/16"-18X1-1/4"	4
M	☐	290117	Nut-Hex 5/16"-18	4

- **Before proceeding with installation of door, carefully read complete installation instructions and identify all parts.**
- **IMPORTANT – INSPECT YOUR CENTURY DOOR FOR POSSIBLE DAMAGE OR SHORTAGE OF PARTS. REPORT ANY CLAIMS IMMEDIATELY. CLAIMS WILL NOT BE HONORED UNLESS ACCOMPANIED BY A MARKED PACKING LIST.**
- To determine if part is right or left hand, face door from inside garage. Parts on right are right hand parts, etc.
- Door Sections are referred to from bottom to top, I.E., No. 1 (bottom section, No. 2 (lock section), No. 3 (intermediate section), No. 4 (top section). See marking on end of sections.

FIG. 20.

installation procedure

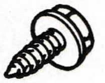


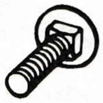
TRACK STRUT TO TRUSS ASSEMBLY

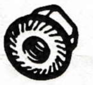
SPRING SUPPORT BRACKET ASSEMBLY

- Disregard any other Instruction Manuals packed with the door.

STEP 1


Sheet Metal Screw


Carriage Bolt


Hex Washer Nut

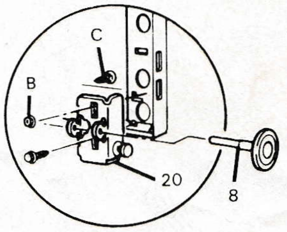


FIG. 1

DOOR PANEL ASSEMBLY

1. Layout Door Sections. Sections are marked on back side 1 thru 4. Fasten Bottom Bracket to bottom edge of Door Section #1 (Bottom) (See FIG. 2), by removing and replacing sheet metal screw. Fasten with ½'' Carriage Bolt and Hex Washer Nut. See FIG. 1. At upper portion of section, install Hinge Roller Bracket Assembly at each end by removing and replacing sheet metal screw. At middle of section, install Hinge Assembly in the same manner. See FIG. 3.

2. Remove sheet metal screw from bottom edge of Section #2 (Lock), and attach hinge and bracket, as in Section #1, at upper edge of door section. See FIG. 3.

3. Repeat procedure for Section #3 (Intermediate).

4. Remove sheet metal screw from bottom edge of door Section #4 (Top) and attach Top Bracket loosely to top edge of door. See FIG. 4.

5. Insert Nylon Roller Assembly in the numbered holes of Hinge Roller Bracket Assembly, corresponding to the door section number. See FIG. 5.

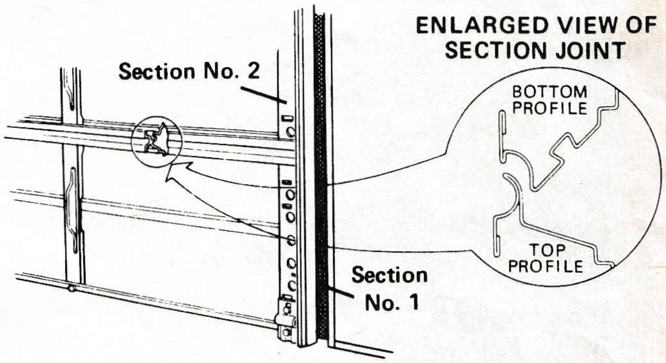

ENLARGED VIEW OF SECTION JOINT
Section No. 2
BOTTOM PROFILE
TOP PROFILE
Section No. 1

FIG. 2

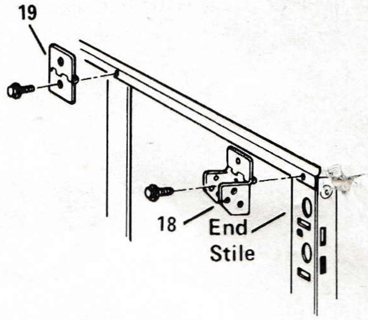

19
18
End Stile

FIG. 3

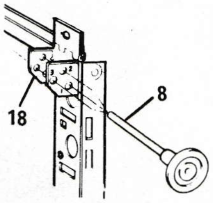


FIG. 5

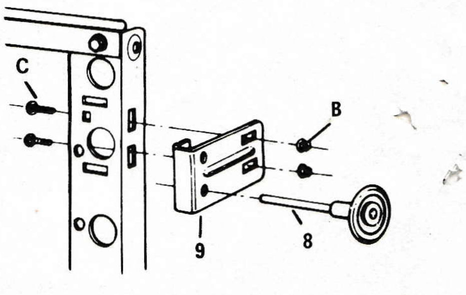


FIG. 4

STEP ②

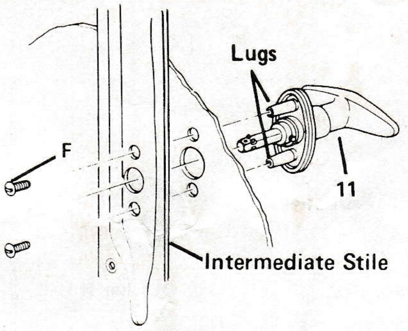
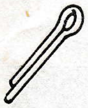

Lugs
F
11
Intermediate Stile

FIG. 6

Head Screw



Cotter Pin

Hex Washer Screw

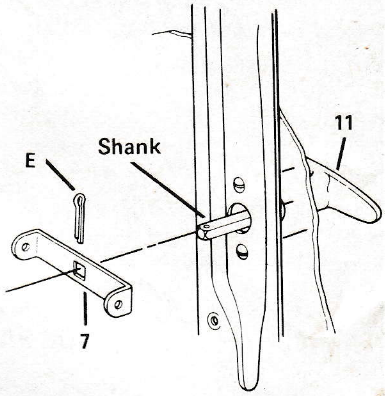


FIG. 7

LOCK AND PULL ROPE ASSEMBLY

1. Install Lock Handle Assembly to door Section #2, as shown in illustration. See FIG. 6, 7, & 8.

2. Install Latch Assembly to door Section #2 as shown in illustration. See FIG. 9.

3. To operate Latches from inside of building when completely assembled, lift on cable. See FIG. 10.

4. Attach Pull Rope as illustrated. See FIG. 11.

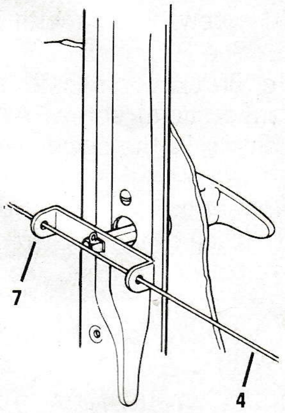


FIG. 8

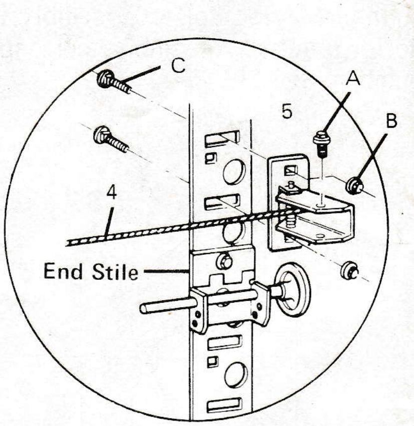

C
A
5
B
4
End Stile

FIG. 9

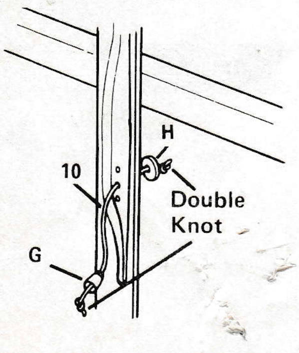

H
10
Double Knot
G

FIG. 11

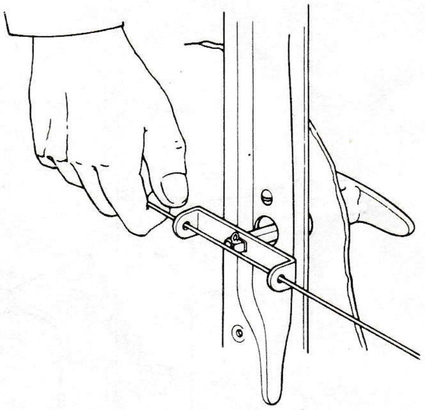


FIG. 10

STEP 3

VERTICAL TRACK ASSEMBLY

1. Attach Vertical Track (loosely) to Right and Left Track Support as shown. See FIG. 12.

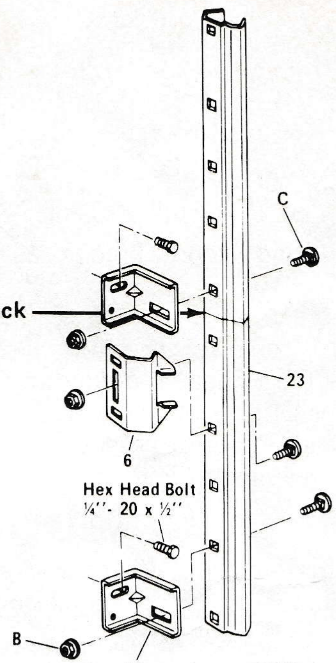

C
Center of Track
23
6
Hex Head Bolt
¼"- 20 x ½"
LH Track Assembly Shown
B
12

FIG. 12

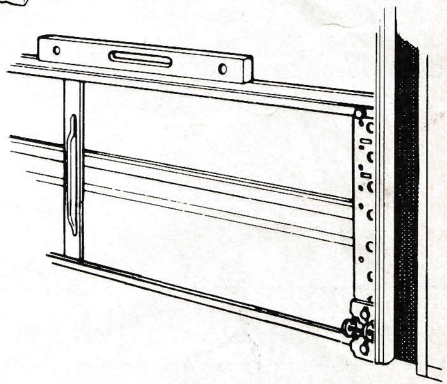
STEP 4

DOOR PANELS INTO VERTICAL TRACK

1. Slide door Section #1 down Vertical Track Assembly, and level panel to insure proper assembly.

2. Insert door Section #2 in Vertical Track. Attach Hinge from lower door section to Section #2 by re-inserting sheet metal screws at bottom edge of Section #2. See FIG. 13.

3. Position Section #3 in the same manner. DO NOT install Section #4 at this time!



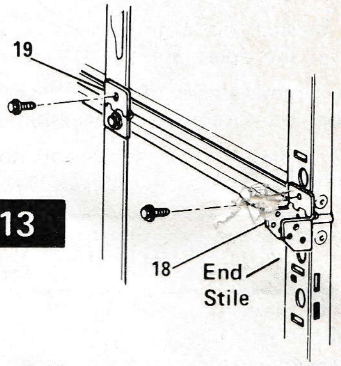
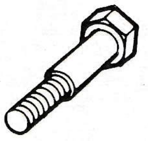

19
18
End
Stile

FIG. 13

STEP 5



Shoulder Bolt

Hex Nut

RIGHT & LEFT HORIZONTAL TRACK ASSEMBLY

1. Install Horizontal Track as shown, except for Bumper Tube. Assembly.
2. Install Spring Support Brackets to Outer Roof Beams using 4 assembly bolts and nuts. See FIG. 20, Page 16.
3. Install door Section #4 by inserting Roller in proper hole of Top Bracket and then inserting Rollers into end of Horizontal Track. Next slide panel down track until it meets Section #3. Now attach Hinges. See FIG. 13. Adjust Section #4 to a vertical position and tighten Top Bracket securely.
4. Install Bumper Tube Assembly.
5. Fasten Track Struts to open hole on Truss, using assembly hex bolts and nuts. See FIG. 20.

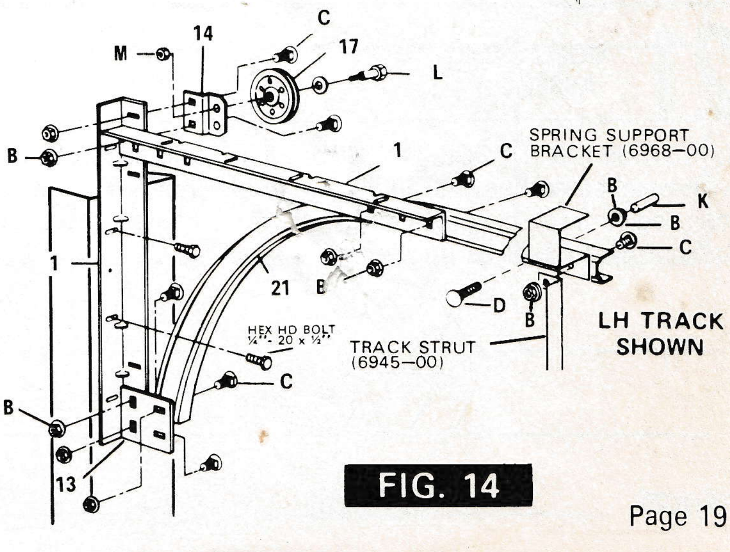

M
14
C
17
L
B
1
C
SPRING SUPPORT BRACKET (6968—00)
B
K
B
C
1
21
B
D
B
LH TRACK SHOWN
HEX HD BOLT ¼"- 20 x ½"
TRACK STRUT (6945—00)
C
B
13

FIG. 14

STEP ❻

SPRING ASSEMBLY

1. Attach Spring Assembly to Spring Support Bracket as shown. See FIG. 15.

2. Fasten Lift Cable Assembly (Green) to lower door Section. See FIG. 16. Thread cable over front Sheave, around spring Sheave and attach end to Joiner Clip as shown. See FIG. 17. Attach Joiner Clip with "S" Hook in a convenient hole in Support Angles, keeping equal tension on both Springs so door hangs level.

3. Adjust vertical track so rollers seat in "V" of tracks and outside face of end stiles are touching, but not tight against door stops. See FIG. 18. Tighten all track bolts.

4. Adjust latch assembly so latch makes good contact with striker plates. See FIG. 19.

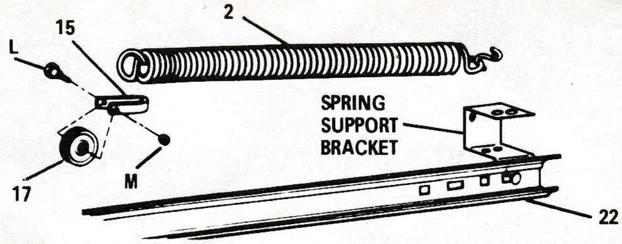

15
2
L
SPRING SUPPORT BRACKET
17
M
22

FIG. 15

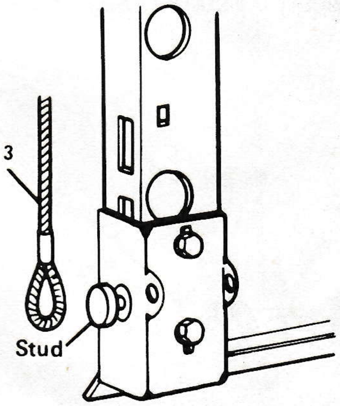


FIG. 16

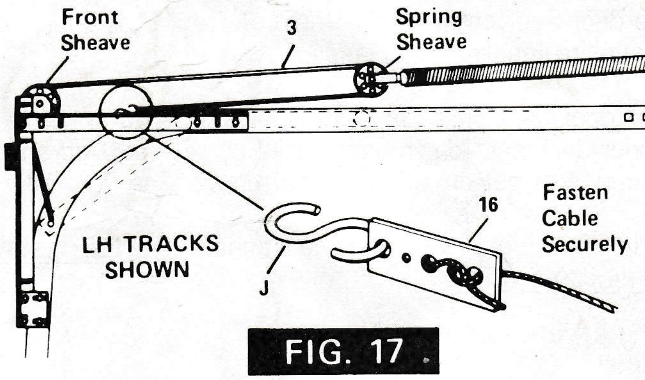

Front Sheave
3
Spring Sheave
16
Fasten Cable Securely
LH TRACKS SHOWN
J

FIG. 17

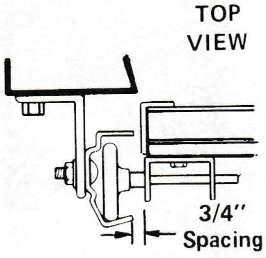

TOP VIEW
3/4" Spacing

FIG. 18

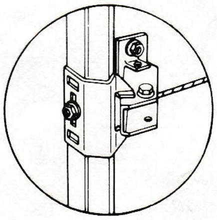


FIG. 19

final adjustments

Be sure that lift cables do not rub and/or rollers do not bind in track when door is operated.

Maintain 3/4" space between track and door.

Equal tension on both springs is important to proper installation and operation.

Before trimming ends of bottom weatherstrip flush with edge of door, be sure weatherstrip has normalized its position.

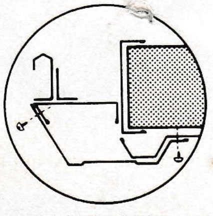
If door is found to be loose and not touching against door stops, refer to Step 6 for adjustment procedure.

maintenance

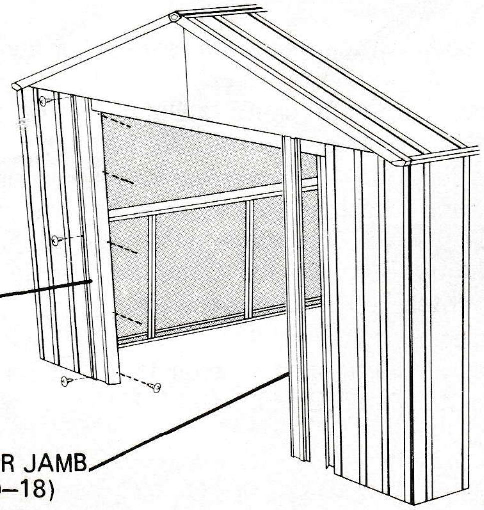
Lubricate moving parts (Fig. 20) with light machine oil or nylon lubricant twice yearly.

21 DOOR JAMB ASSEMBLY

1. Position **R & L DOOR JAMBS** to R & L track supports with notched end on top, facing inside building. Fasten long leg to track support using 5 screws. Fasten short leg to front wall panel using 3 screws.



TYPICAL DOOR JAMB ASSEMBLY


LEFT DOOR JAMB (81") (6951–18)
RIGHT DOOR JAMB (81") (6950–18)

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provide the following:

1. Model number and part number.

2. State briefly the trouble you are having.

Replacement Parts will be made available at current prices

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-------------- **SEPARATE AND RETURN BOTTOM HALF** --------------

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PART NUMBER	DESCRIPTION	QUANTITY

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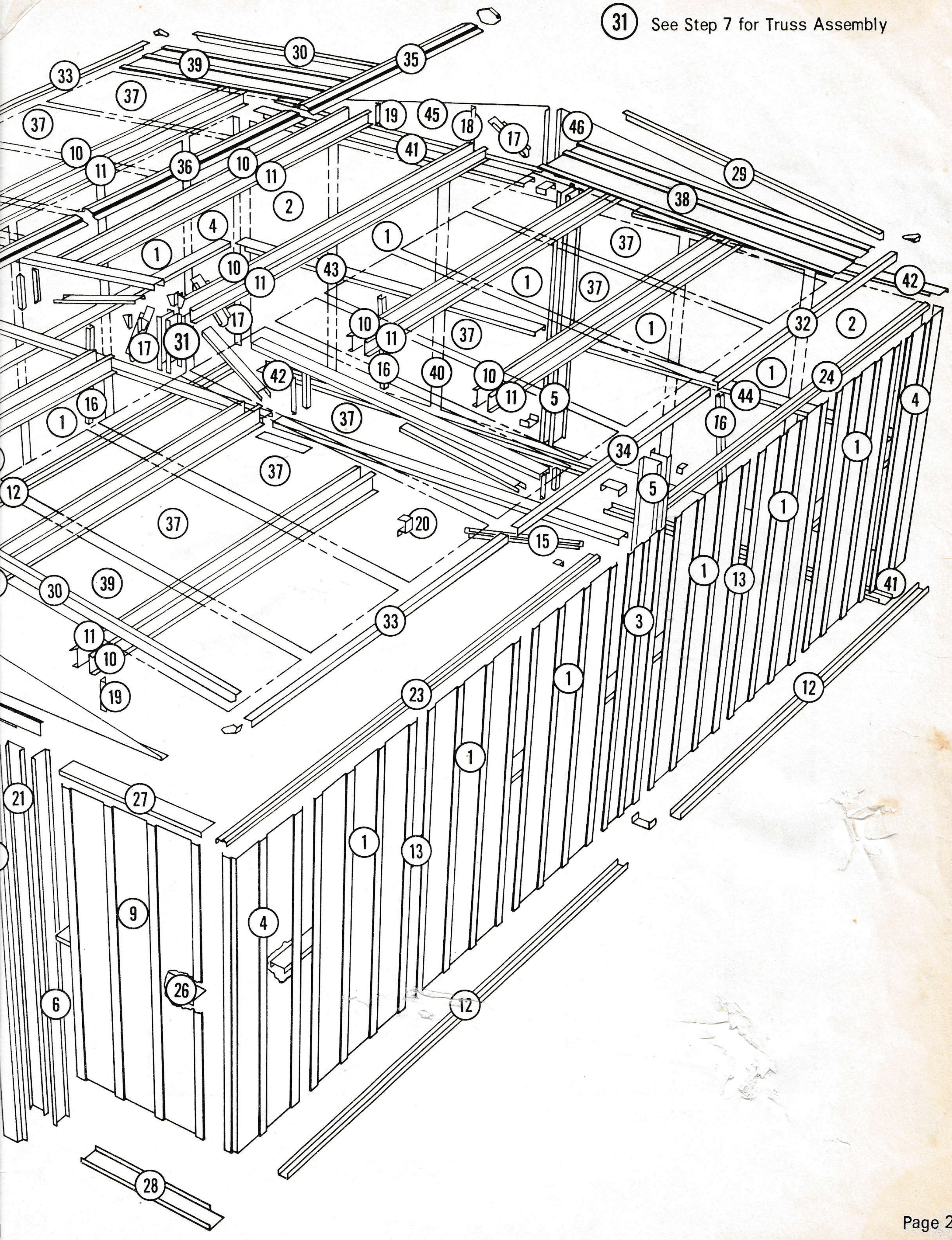
maintenance suggestions:

Your storage building has been engineered to give you long, carefree service. All panels have been weather protected with an undercoating of zinc plating and sealed with a tough, durable **PERMA–PLATE**® finish. However, a little maintenance will help prolong the appearance and usefulness of the building for added years.

1. When fully assembled, clean and wax the exterior surfaces. Do this periodically.
2. Periodic door adjustments may be necessary after prolonged use. It may be necessary to re–adjust spring tension for maximum operating ease. Always open door fully and prop open before adjusting spring tension. Keep tension equal on both springs. Lubricate moving parts with light machine oil or nylon lubricant twice yearly.
3. The roof gutter areas should be kept clear of accumulating leaves and twigs to permit the roof to drain properly. This structure has been independently tested (Report No. 2713 on file) for a snow load of 30 P.S.F. and a wind load of 74.5 M/HR. Under such conditions, occupancy is HAZARDOUS and must be avoided.
4. If the location of the building is subjected to HIGH WINDS, it is recommended that the DOORS are kept securely CLOSED when not in use.
5. If you wish to repaint your building in later years, sand the surfaces lightly to remove old wax and make a smooth bonding surface. Purchase a good grade metal primer and surface paint, and follow the paint manufacturer's directions for a lasting job.

㉛ See Step 7 for Truss Assembly


30
35
33
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11
41
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1
37
10
11
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32
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24
4
16
1
44
16
37
37
34
1
12
5
1
37
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15
30
39
1
13
41
33
3
11
10
1
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12
19
1
21
27
1
13
9
4
26
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12
28

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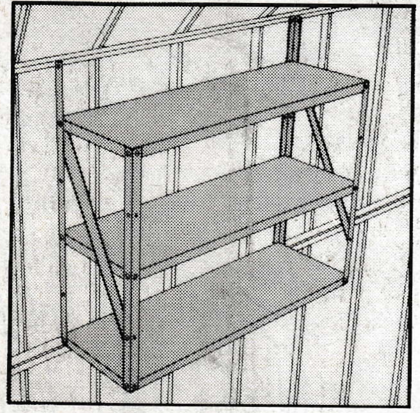
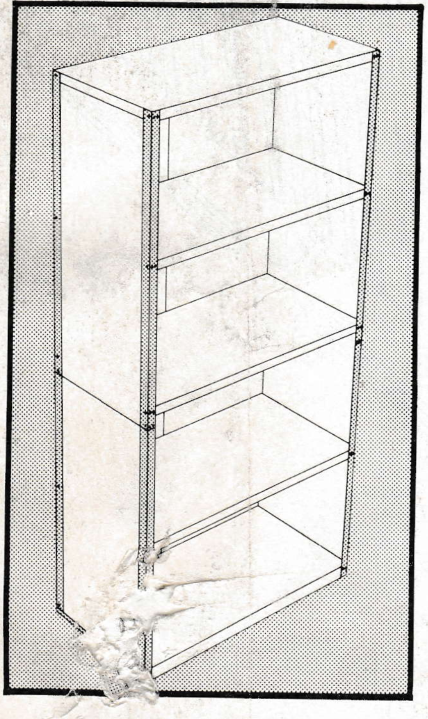


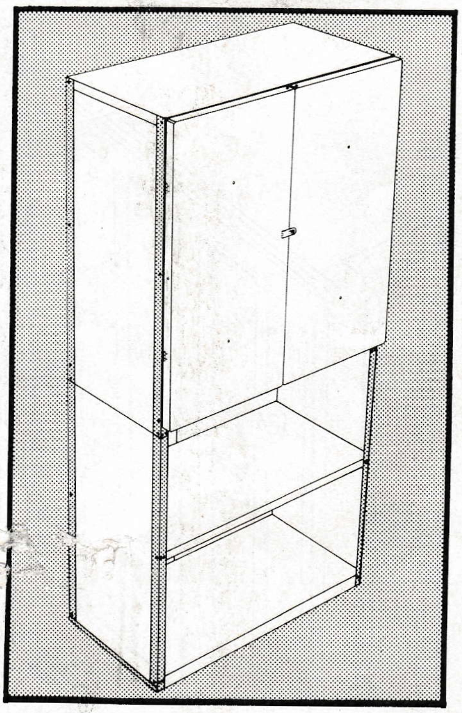
Model **SS900–0B**

Open Shelf



Model **SS145–0B**

Shelf with Doors



Model **DS145–0B**

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